

TECHNICAL MANUAL



POLYCARBONATE CORRUGATED SHEETS

VERSION 13
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ENG

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Macrolux® Rooflite®

Description

Macrolux® Rooflite® is a type of extruded sheets made of compact fretted or corrugated polycarbonate. The shape of the templates allows coupling with metal sections.

Macrolux® Rooflite® sheets guarantee high resistance against impact, they are extremely light and they have an ideal light transmission.

Macrolux® Rooflite® sheets are the ideal products for manufacturing industrial roofings, greenhouses, canopies, etc. This manual outlines the main features and instructions for mounting Macrolux® Rooflite® polycarbonate sheets.

For further information or comments please write to:



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WARNING: Purchase of Macrolux® Rooflite® sheets is subject to reserves, please check general sales conditions from our offices.

WARNING: All other company or product names, herein mentioned are registered trademarks belonging to the owners in question.

WARNING: All information provided for in this manual was gathered to help customers during design and laying steps. Such information was processed according to our topmost know-how and it shall be subjected to modifications without prior notice. Data borne herein shall be deemed as non-binding information and hence shall not exempt the customer for performing his own check-ups with the aim of establishing suitability for the intended use. In case of doubt or difficulty, please seek Stabilit Suisse SA advice before proceeding.

1. Polycarbonate general features

Polycarbonate is a thermoplastic polymer having excellent mechanical and physical properties. Due to its adaptability and durability, polycarbonates for example are used for manufacturing CDs and DVDs. In addition, its resistance against impacts makes of polycarbonates an ideal material for use in automotive, aeronautical and ballistic (airplane windows, automobile lights, anti-riot shields and helmets, etc) industry. All these characteristics, alongside high transparency, make polycarbonates suitable for application in the building industry.

1.1. Polycarbonate technical data

| | Value | Unit | Standard | |
|---|---------|------------------------|-------------------|-------------|
| Mechanical properties | | | | |
| Yield stress (50 mm/min) | 63 | MPa | ISO 527 | |
| Stress at break (50 mm/min) | 70 | MPa | ISO 527 | |
| Yield strain (50 mm/min) | 6 | % | ISO 527 | |
| Strain at break (50 mm/min) | 120 | % | ISO 527 | |
| Tensile modulus (1 mm/min) | 2350 | MPa | ISO 527 | |
| Impact properties | | | | |
| Charpy V-notched impact strength | +23°C | 75 | kJ/m ² | ISO 179/1eA |
| | -30°C | 15 | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength | +23°C | 70 | kJ/m ² | ISO 180/1A |
| | -30°C | 12 | kJ/m ² | ISO 180/1A |
| Physical properties | | | | |
| Density | 1,2 | g/cm ³ | ISO 1183 | |
| Water absorption (23° C; saturation) | 0,35 | % | ISO 62 | |
| Moisture absorption (23° C; 50% RH) | 0,15 | % | ISO 62 | |
| Water vapor permeability (23°C;85% RH;0,1mm) | 15 | g/(m ² 24h) | ISO 15106-1 | |
| Thermal properties | | | | |
| Coefficient of linear thermal expansion (23°C±55°C) | 0,65 | 10 ⁻⁴ /K | ISO 11359-2 | |
| Thermal conductivity | 0,20 | W/(m K) | ISO 8302 | |
| Vicat softening temperature (50N; 120°C/h) | 145-149 | °C | ISO 306 | |
| <i>TYPICAL VALUES REFERRED TO POLYCARBONATE AS RAW MATERIAL</i> | | | | |

1.2. Comparison with other products

Compared to other plastic materials commonly used in the building industry and glass, polycarbonate is better due to various characteristics.

| | U.M. | PC | PMMA | PVC | PET | GRP | Glass |
|------------------------------|-------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Density | g/cm3 | 1,20 | 1,19 | 1,38 | 1,33 | 1,42 | 2,50 |
| Resilience | KJ/m2 | 30 | 2 | 4 | 3 | 1,2 | nd |
| Elastic module | N/mm2 | 2.350 | 3.200 | 3.200 | 2.450 | 6.000 | 70.000 |
| Linear thermal expansion | 1/°C | 6,5 x 10 ⁻⁵ | 7,0 x 10 ⁻⁵ | 6,7 x 10 ⁻⁵ | 5,0 x 10 ⁻⁵ | 3,2 x 10 ⁻⁵ | 0,9 x 10 ⁻⁵ |
| Thermal conductivity | W/m K | 0,20 | 0,19 | 0,13 | 0,24 | 0,15 | 1,3 |
| Highest service temperature | °C | 120° | 90° | 60° | 80° | 140° | 240° |
| Transparency to UV rays | % | 4 | 40 | na | na | 19 | 80 |
| Characteristics against fire | - | Very good | Flammable | Flammable | Flammable | Flammable | Fireproof |
| Resistance to aging | - | Good | Very good | Poor | Poor | Good | Excellent |
| Compatibility with chemicals | - | Good | Good | Poor | Good | Good | Very good |

2. Sections

Macrolux® Rooflite® sheets are available in various shapes, thicknesses and colors. Sections and their characteristics are described in detail in the annexes. For any doubts regarding the correct compatibility of the profile with sheets and / or sandwich panels, ask our technical department for clarification.

3. UV protection

Macrolux® Rooflite® sheets are protected on the outside with a layer of UV absorber that protects the sheet from aging, ensuring its durability over time. The protected side, which must be installed outside, is marked by the ink jet marking with the indication "UV side", the lot number as well as by an adhesive strip (except in special cases) to be removed immediately after installation .

On request, Macrolux® Rooflite® corrugated sheets can be supplied in the XL (Extralife) version with the UV protection layer on both sides. These versions are subject to limitations and minimum quantities; our sales offices are at your disposal for further information

4. Warranty

Macrolux® Rooflite® sheets are guaranteed against aging for 10 years. The warranty terms include the loss of light transmission, the variation of the yellow index and breakage due to hail. Check with our sales offices for the exact warranty terms.

5. Light transmission

Macrolux® Rooflite® sheets offer maximum light transmission allowing you to make the most of the light point. These sheets can be available in a complete range of colors that allow for a correct dosage of light and offer advanced solutions if you want to reduce the passage of solar energy such as Macrolux® Rooflite® ATHERMIC sheets.

| Light transmission % | | | | |
|----------------------|-----------|--------|--------|--------|
| Color | Thickness | | | |
| | 0,8 mm | 1,0 mm | 1,1 mm | 1,2 mm |
| Clear (0010) | 89 | 89 | 89 | 89 |
| Opal (0037) | 80 | 75 | 75 | 75 |
| Opal (9011) | 2 | 2 | 2 | 2 |
| Bronze (0024) | 60 | 55 | 55 | 55 |
| Athermic (0777) | 30 | 30 | 30 | 30 |

**Values measured according to ASTM standard unless otherwise indicated.*

6. Fire behaviour

Macrolux® Rooflite® sheets maintain the optimal reaction to fire properties of the polycarbonate material. Various certificates valid in several countries are available. For further information, please contact our sales offices.

7. Thermal conductivity

Polycarbonate thermal conductivity value is **0,20 W/m K** and it confers to the product good insulation properties if compared with metal corrugated sheets.

8. Thermal expansion

Polycarbonate thermalexpansion value must always be considered for proper design:

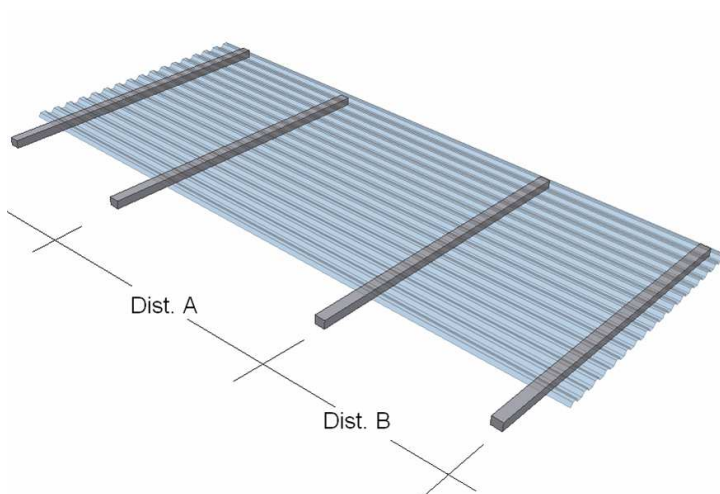
| | | |
|--------------------------|--|--|
| Thermal expansion | 0,065 mm/m °C ($6,5 \times 10^{-5}$ 1/ K) | Equal to an expansion of about 3 mm / m with a temperature variation of 50 ° C |
|--------------------------|--|--|

Such value shall be deemed as an important parameter when selecting the suitable type of fixing and it requires that fixing points are always done with slot holes.

9. Resistance to hail

Macrolux® Rooflite® sheets obtained optimal hail resistance performances. Impact tests were performed at Istituto Giordano (Italy) with hail simulated by polyamide balls with a diameter of 40 mm and thrown at a growing speed. No breakages were observed even at high speed (60 m/sec).

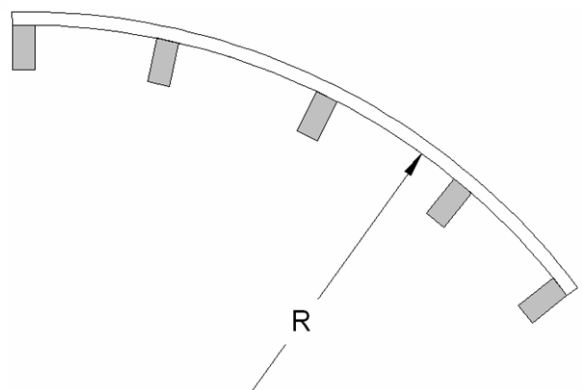
10. Flat solution – Minimum slope



To facilitate the flow of rainwater, it is recommended to install Macrolux® Rooflite® sheets with a minimum slope of 5% (3°). In the case of pitches longer than 6000 mm or heavily rainy or windy areas, it is recommended to install the sheets with an inclination of no less than 10% (6 °).

11. Curved solution

Macrolux® Rooflite® sheets may be mounted on curved structures but complying with the conditions that the radius outlined by the succession of the supports has a value greater than the minimum values indicated for each type of section.



12. Installation advices

Macrolux® Rooflite® sheets shall be mounted on continuous supports and orthogonal with respect to the length of the sheets.

The supports must be smooth and free of any objects capable of jeopardizing the integrity of the sheets, such as projecting nails, wires, strings, protection nets, etc.

13. Maximum recommended length

Together with the high thermal expansion value of polycarbonate and in relation to the type of fastening used for the Macrolux® Rooflite® sheet, it is recommended to use sheets with a maximum length of **6000 mm**.

In the case of pitches of considerable length, it is advisable to overlap several sheets in length; however, with the correct preparation of slots holes, suitably guaranteed by sealing gaskets, it is possible to use sheets even longer than 6 m. See the following paragraphs for the requirements regarding the overlapping and slotting of the holes

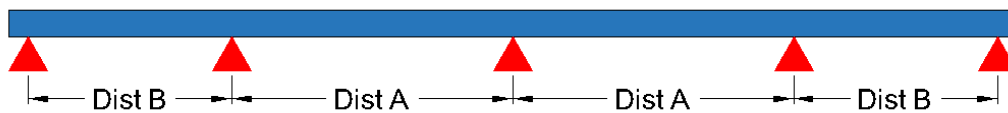
14. Allowable loads

Allowable values for the maximum distances between the supports are indicated in the tables regarding each single section. Such values can also be used for curved solutions. Alongside the type of sheet, the distance of the supports also depends on the type of application.

- Sheet solution on two supports



- Sheet solution on several supports

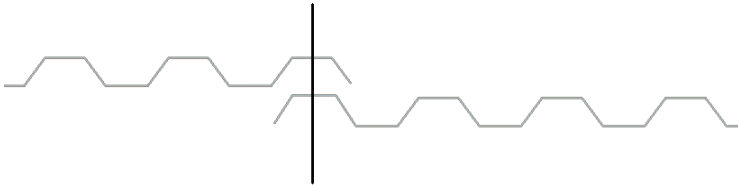


Fixings must be applied on all purlins according to the methods and indications provided in this document. The values indicated in the tables are ultimate strength loads with a safety coefficient equivalent to 1,5.

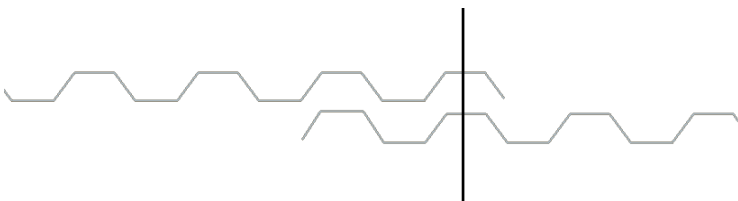
In case of very low slopes (between 5% and 10%) deformation under load could create a counterslope causing leakage and water stagnation. In such cases, a detailed control of deformation under load is required.

15. Overlaps

Simple side overlap



Double side overlap



For the overlapping of Macrolux® Rooflite® sheets, simple rules must be applied.

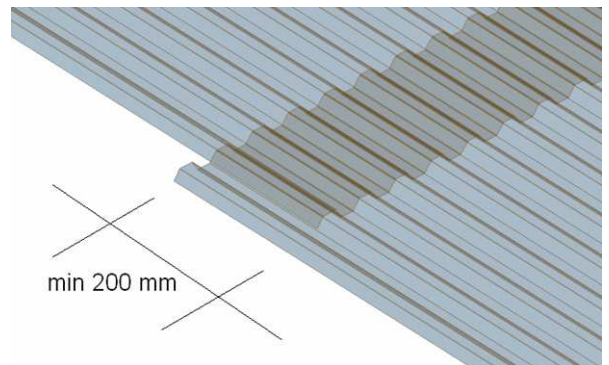
Lateral overlap

For the lateral overlapping at least one full step is recommended, but where there is a low slope (less than 10%) or the length of the pitch is considerable (greater than 6 meters), the overlapping of at least two steps is recommended.

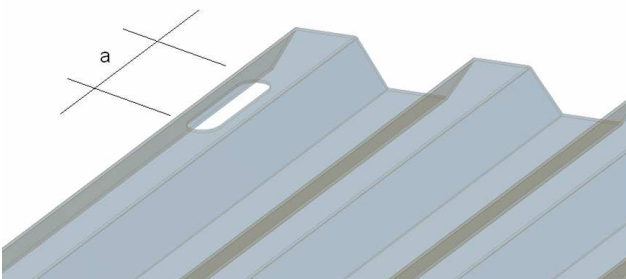
Double overlapping is recommended in all waves or greca whose height is limited (such as the 76/18 shape). The direction of lateral overlap must always follow the direction of the prevailing winds. It will be the Customer's responsibility to arrange for the positioning of a silicone strip or compatible adhesive gasket if it deems it appropriate to ensure a safe sealing of the overlap.

Overlap in length

The overlapping of several sheets along the length must take place in correspondence with a transversal support and that there is at least 200 mm of overlap. One or more silicone strips or a compatible adhesive gasket must always be positioned in the overlapping line to ensure perfect sealing between the two sheets. This sealing should preferably take place upstream and downstream of the fixing point. It is advisable not to overlap sheets with a length exceeding 6 m.



16. Fixing



Fixings must be provided with gaskets suitable to guarantee watertight sealing bearing in mind that the hole must be suitably slotted to guarantee the thermal expansion of the polycarbonate sheet.

The slotting pitch depends on the length of the sheet and it is equivalent to:

| Screw diameter 6 mm | |
|---------------------|-------------------|
| Sheet length (mm) | Slotting "a" (mm) |
| Up to 2000 mm | 10 mm |
| Up to 4000 mm | 12 mm |
| Up to 6000 mm | 15 mm |
| Up to 8000 mm | 20 mm |
| Up to 10000 mm | 25 mm |

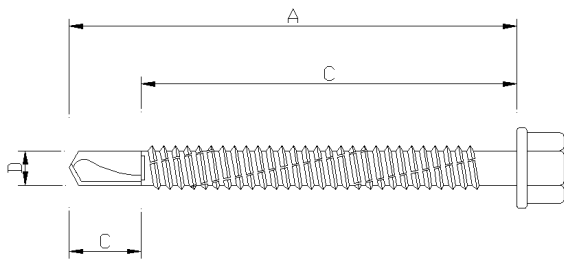
17. Fixing at the purlin

Macrolux® Rooflite® sheets must be solidly anchored to the support structure by means of suitable fasteners in number and suitable for the support (wood, metal purlin, etc.).

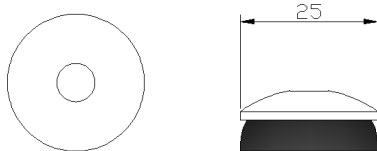
The distance required for correct fastening depends on the pitch and shape of the corrugation.

The clamping force must be such as not to deform the sheet but at the same time guarantee a good functioning of the gasket.

Self-drilling fixings on a metal structure with gasket and metal washer



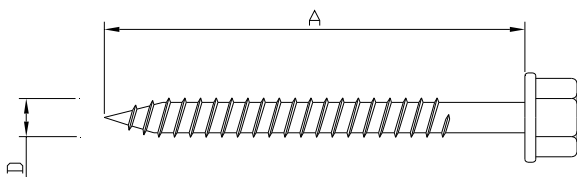
Self-drilling screw



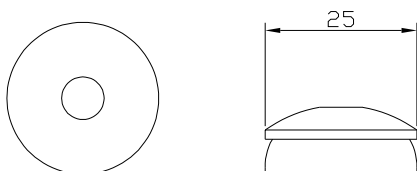
EPDM sealing washer with aluminum metal washer Ø 25 mm

| Dimensions | Spanner (mm) | Diameter D (mm) | Total length A (mm) | Usable length B (mm) | Drilling C (mm) |
|--------------|--------------|-----------------|---------------------|----------------------|-----------------|
| 6,3 x 45 mm | 8 | 6.3 | 45 | 30 | 6 |
| 6,3 x 60 mm | 8 | 6.3 | 60 | 45 | 6 |
| 6,3 x 80 mm | 8 | 6.3 | 80 | 65 | 6 |
| 6,3 x 100 mm | 8 | 6.3 | 100 | 85 | 6 |

Recommended fixings on wooden structures (not available) with gasket and metal washer



Screw for wood



EPDM sealing washer with aluminum metal washer Ø 25 mm

| Dimensions | Spanner (mm) | Diameter D (mm) | Length A (mm) |
|--------------|--------------|-----------------|---------------|
| 6,5 x 60 mm | 8 | 6.5 | 60 |
| 6,5 x 75 mm | 8 | 6.5 | 75 |
| 6,5 x 100 mm | 8 | 6.5 | 100 |

For supports made of wood consider screwing at least 30 mm deep.

By way of indication, a table is provided below with the aim of guiding the Customer for the correct distribution of the fixings according to the pitch of the ribs / waves:

| Pitch of the ribs / waves | Installation of fixings | |
|---------------------------|---------------------------|-------------------------|
| | Middle supports | Ridge/gutter supports |
| > 200 mm | Fixing on each crest | Fixing on each crest |
| from 100 mm to 200 mm | Fixing every two crests | Fixing on each crest |
| < 100 mm | Fixing every three crests | Fixing every two crests |

This table is purely indicative and the choice of the correct distribution of the fixings must be made taking into account the specific characteristics of the installation area (e.g. areas subject to strong wind or high snow loads).

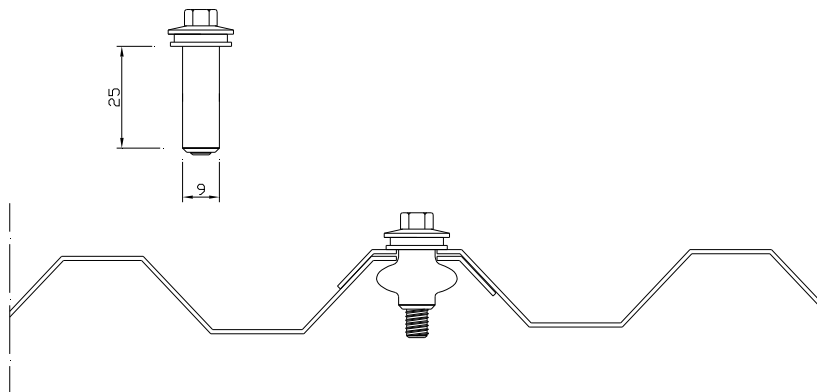


The fastening of the screws must be carried out paying the utmost attention to keeping the drilling system perpendicular to the crest of the shape and subsequently not to overtighten the screw. The tightening of the screw must be such as to allow the gasket under the washer or the cap to work correctly but in no case must it cause deformation of the sheet.

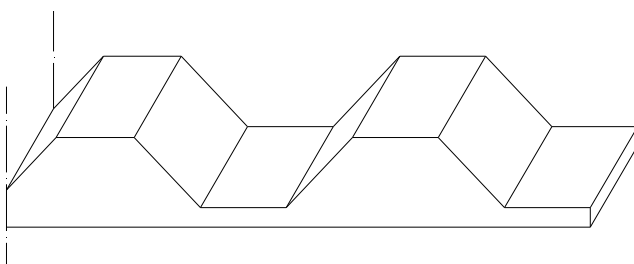
The fastenings must be centered with respect to the width of the corrugation / wave and perpendicular to the surface of the Macrolux® Rooflite® sheet in order to avoid tensions caused by the edges of metal washers and / or caps.

18. Side overlap seam

There are special rubber plugs on the market which, if the customer deems it necessary, can be used to sew the side overlap of two Macrolux® Rooflite® sheets in the space between two supports. Under no circumstances can these elements replace the obligatory fastening elements to be positioned in correspondence with the purlins.



19. Spacer



For better thermal insulation and to prevent the tightening pressure of the screw from damaging the polycarbonate shape, it is recommended to use a PE spacer (available only for some shapes) placed between the purlin and the rib. However, this element is always recommended on the end purlins if the cover isolates an enclosed space.

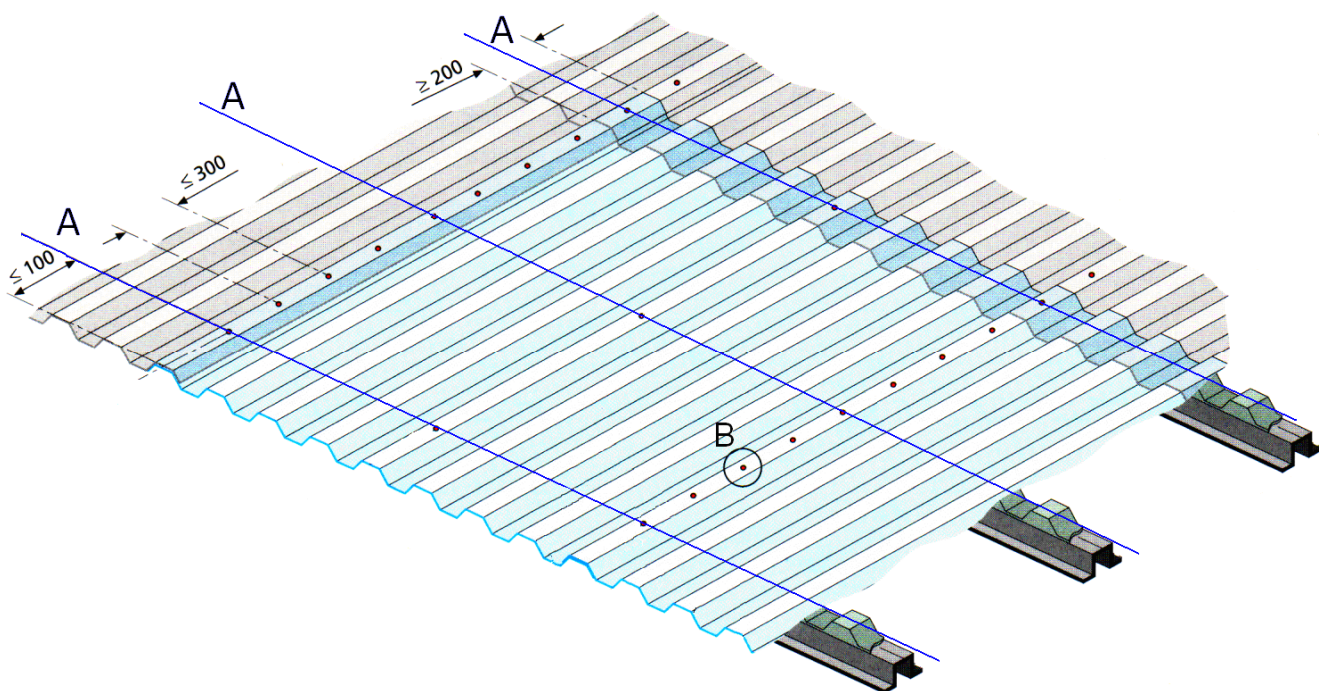
20. Arrangement of the accessories

For a correct installation of the Macrolux® Rooflite® sheets it is necessary to position the PE spacers under the corrugation in order to increase its resistance to the tightening force of the screw; in addition, the spacer increases the airtightness between the support and the polycarbonate sheet.

The distance of the support purlins must be evaluated according to the expected load, the thickness and the type of shape (check with the specific tables for each sheet).

The fastenings on the purlins (fastening line A) must be carried out on the ridge of the corrugation and in such a number as to guarantee wind resistance while the seam on the overlap (B), in the positions where there is no purlin, is recommended, for all lateral overlaps.

The minimum arrangement of the fixings for each shape can be found in the table in paragraph 17 and in the attached product sheets.



The overlap in length with corrugated sheets or existing sandwich panels must be at least 200 mm, both upstream and downstream. This value must be increased in the case of low slope.

The polycarbonate sheet must not exceed 100 mm with respect to the last purlin.

21. Processing techniques

Macrolux® Rooflite® sheets can be processed with common cutting tools: circular saws, jigsaws, hand saws, scissors (only for low thicknesses). We recommend cutting with a circular saw on a workbench in order to operate on a flat and clean surface. The use of blades with fine teeth is highly recommended as well as cutting some sheets at the same time to obtain the best results. During cutting, the sheets must remain firmly placed on the work surface in order to avoid any type of vibration.

For the installation of the screws it is recommended to pre-drill in order to have an adequate expansion space for the screw (see the relative chapter).

The drilling must always take place perpendicular to the sheet, keeping it in position to avoid movements and / or vibrations.

22. Transfer and storage

In standard packaging, Macrolux® Rooflite® sheets are supplied on wooded pallets, protected by a thermowelded and fastened heavy polyethylene film.

Customised sheets shall be packaged according to the discretion of Stabilit Suisse SA.

In case of special requests (transfer at worksites, unloading problems, etc.), please make arrangements when placing orders with our sales offices and the latter will see to meeting your requirements.

23. Trasport

Macrolux® Rooflite® sheets shall be transported on suitable means in such a manner that sheets and pallets completely lie against the platform. Ropes and blocks, required to hold the pallets firm during transport, shall be positioned in such a manner not to damage the sheets. Any damage occurring during transport shall be reported within eight hours upon reception of the goods. For proper analysis of the problem, reference to the CMR transport document is required.

24. Transfer and storage

Transfer and storage of Macrolux® Rooflite® sheets are delicate operations that could damage the sheets. Therefore, strict compliance with the following instructions is of paramount importance:

- Maximum care when using forklift trucks is recommended. Forks shall not come into direct contact with the sheets under no circumstances whatsoever.
- In case belts or balances are used for lifting, use belts at least 200 mm wide for proper distribution of weights, interpose a wooden board – with a greater length than the width – of the sheet between the package or pallets and the ropes.
- The distance of the forks must be such to avoid flexions of the pallet.
- In case of storage of several pallets stack a maximum of three pallets (do not stack the pallets directly but use supports capable of preserving the contact surface (polystyrene, insulations etc.).
- In case of stacking a pallet previously laid against the ground, ensure that there are no objects on lower part of the pallet capable of ruining the surface on which they are meant to lie.
- Stack the pallets with an integral packaging with a slight slope to allow flow of possible condensations and water stagnation.
- Keep the integral packages in sheltered place or in a place where they can be covered with canvas to protect the packages against harsh conditions and ensure proper aeration.
- If the packaging has been open, the sheets must be stored inside, safe from heat sources and direct sunbeams. They must be stocked on plane surface, in horizontal position in order to avoid bending and curving of the surfaces.
- If performed by hand, transfer of single sheets shall occur with the sheet on its side.

25. Cleaning



When cleaning Macrolux® Rooflite® sheets, strictly use only products certified for cleaning polycarbonates (see the manufacturer specifications sheet).

In order to maintain the light passages, the latter must be cleaned periodically with water and non-alkaline soap or with suitable detergents, subsequently thoroughly rinsing with water.

Dirt must be removed with maximum care, using soft rags to avoid altering the protection layer.

WARNING:

Do not use alkaline detergents, solvents in general, abrasive detergents, brushes, steel wool, blades or sharp devices that might damage the UV protection layer.

26. Safety – Access to the roof



During both laying and maintenance operations do not walk directly on the Macrolux® Rooflite® polycarbonate sheets.

As a matter of fact, the polycarbonate sheets are NOT made to be walked on and they are subject to breaking.

In case you need access to the roofing, use the suitable gangways which guarantee safety for all the operators.

Protect the sheets against possible scratches with suitable covers.

WARNING

In case of access to the roofing, should there be risks of falling or breaking, assemble all the required elements in compliance with all the work safety regulations in force in the country in question.

WARNING

Purchase of Macrolux® Rooflite® sheets is subject to reserves, please check general sales conditions from our offices.

WARNING

The information provided for in this manual was gathered to help customers during design and laying steps. Such information was processed according to our topmost know-how and it shall be subjected to modifications without prior notice. Data borne herein shall be deemed as non-binding information and hence shall not exempt the customer for performing his own check-ups with the aim of establishing suitability for the intended use. In case of doubt or difficulty, please seek Stabilitt Suisse SA advice before proceeding.

27. Index by measure

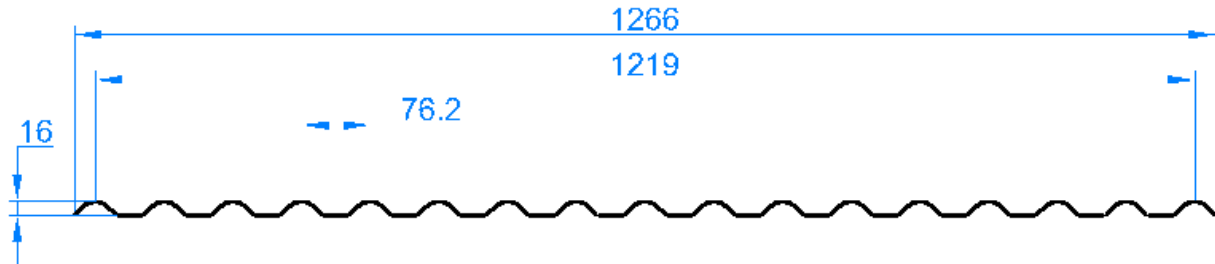
| Pitch | Height | Die | Description | Reference |
|-------|--------|-----|-------------------------------------|------------------------|
| 500 | 41 | RH2 | Macrolux Rooflite Trapez 500/41 | Isolpack Delta 3A |
| 333 | 45 | RNN | Macrolux Rooflite Trapez 333/45 | Nervesco 3.45.1000 TS |
| 333,3 | 38 | RN1 | Macrolux Rooflite Trapez 333,3/38 | Scope 333,5x38 |
| 333 | 39 | RD1 | Macrolux Rooflite Trapez 333/39 | Haironville 39/333 |
| 333 | 38 | RCC | Macrolux Rooflite Trapez 333/38 | Metecno A38 |
| 332,5 | 38 | RN2 | Macrolux Rooflite Trapez 332,5/38 | Nueva Kubimil |
| 315 | 56,8 | RZ2 | Macrolux Rooflite Trapez 315/56,8 | SAB 58KD/945 |
| 304,8 | 31,8 | RZZ | Macrolux Rooflite Trapez 304,8/31,8 | MB12 |
| 275 | 30 | RX2 | Macrolux Rooflite Trapez 275/30 | - |
| 262,5 | 32 | RPP | Macrolux Rooflite Trapez 262,5/32 | Teczone TZ 32 |
| 250 | 41,9 | RX3 | Macrolux Rooflite Trapez 250/41,9 | Italpanelli Penta |
| 250 | 41 | RH3 | Macrolux Rooflite Trapez 250/41 | Isolpack Delta 5A |
| 250 | 40 | RXX | Macrolux Rooflite Trapez 250/40 | Cobacier 1004 |
| 250 | 40 | RHH | Macrolux Rooflite Trapez 250/40 | - |
| 250 | 40 | RX4 | Macrolux Rooflite Trapez 250/40 | Alubel Dach |
| 250 | 40 | RH1 | Macrolux Rooflite Trapez 250/40 | Isolpack RW1000 |
| 250 | 40 | RX1 | Macrolux Rooflite Trapez 250/40 | Ikon-Utap |
| 250 | 39 | RH4 | Macrolux Rooflite Trapez 250/39 | Hoesch HP 39/250 |
| 250 | 37 | RS1 | Macrolux Rooflite Trapez 250/37 | Isometall 37.250.1000 |
| 250 | 36 | RP1 | Macrolux Rooflite Trapez 250/36 | SAB KD36 |
| 250 | 35 | RS2 | Macrolux Rooflite Trapez 250/35 | Isometall 33.250.1000 |
| 228,6 | 19 | RWW | Macrolux Rooflite Trapez 228,6/19 | MB9 |
| 209 | 30 | RYY | Macrolux Rooflite Trapez 209/30 | Aceralia |
| 207 | 35 | RB1 | Macrolux Rooflite Trapez 207/35 | Klockner 35/207 |
| 200 | 42 | Rll | Macrolux Rooflite Trapez 200/42 | Hiansa MT 42 |
| 200 | 32 | RLL | Macrolux Rooflite Trapez 200/32 | Hiansa MT 32 |
| 193 | 32 | ROO | Macrolux Rooflite Trapez 193/32 | Ondulit Coverib 850 |
| 185 | 40 | RI1 | Macrolux Rooflite Trapez 185/40 | - |
| 177 | 51 | RAA | Macrolux Rooflite Wave 177/51 | Eternit 177/51 |
| 171,5 | 35 | RO1 | Macrolux Rooflite Trapez 171,5/35 | IBR |
| 160 | 41 | RV3 | Macrolux Rooflite Trapez 160/41 | Hoesch HP 41/160 |
| 151 | 38 | RVV | Macrolux Rooflite Trapez 151/38 | Assanpanel 38/151 |
| 144 | 24,5 | RV1 | Macrolux Rooflite Trapez 144/24,5 | Superpantera |
| 143 | 34 | RV2 | Macrolux Rooflite Trapez 143/34 | Tecno Imac Greca 143 |
| 137,5 | 19,3 | RV4 | Macrolux Rooflite Trapez 137,5/19,3 | Trapezprofil W-20/1100 |
| 117 | 25 | RJ3 | Macrolux Rooflite Trapez 117/25 | Isolpack SL940 |
| 112 | 29 | RJ2 | Macrolux Rooflite Trapez 112/29 | Copernit Profilo 29 |
| 112 | 28 | RJJ | Macrolux Rooflite Trapez 112/28 | Profilia LG28 |
| 111,8 | 29,1 | RJ1 | Macrolux Rooflite Trapez 111,8/29,1 | Alubel 28 |
| 88 | 24 | RK2 | Macrolux Rooflite Omega 88/24 | Tecni Imac Ecolina |
| 78 | 21 | RG1 | Macrolux Rooflite Trapez 78/21 | Alubel 21 |
| 76,2 | 16 | RKK | Macrolux Rooflite Omega 76,2/16 | - |
| 76 | 18 | RGG | Macrolux Rooflite Trapez 76/18 | - |
| 76 | 18 | RUU | Macrolux Rooflite Wave 76/18 | - |
| 75 | 20 | RG2 | Macrolux Rooflite Trapez 75/20 | Grekor 20/52 |

28. Technical datasheets

Macrolux® Rooflite® OMEGA 76,2/16

SECTION

Rif. RKK



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|--|------|--|
| Code | - | E330 | E329 | - |
| Thickness | mm | 0,8 | 1,0 | - |
| Weight | Kg/m ² | 1,10 | 1,40 | - |
| Pitch | mm | 76,2 | | - |
| Nominal width | mm | 1190 | 1266 | Tolerance ±10 mm |
| Cover | mm | 1143 | 1219 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear [0010] |
| | | 75 | | Opal [0037] |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 4000 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 60 mm with EPDM gasket Self-tapping for wood 6,5 x 60 mm with EPDM gasket | | |
| PE spacer | - | Available in 2000 mm bars | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 0,8 | 950 | 850 | 800 | 750 | 750 | 700 | 650 | 600 |
| 1,0 | 1000 | 900 | 850 | 800 | 800 | 750 | 700 | 650 |

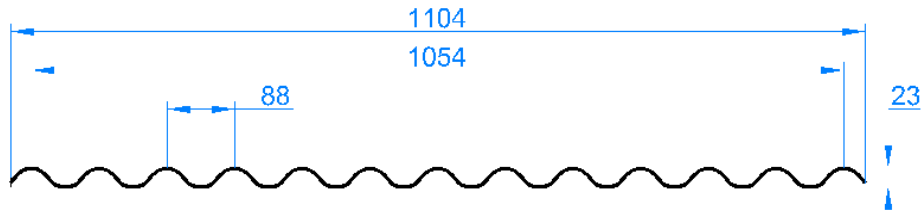
(*) Ultimate load values [safety coefficient 1.5]

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Macrolux® Rooflite® OMEGA 88/24 (Tecno Imac Ecolina)

SECTION

Rif. RK2



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|--|--|
| Code | - | E3A6 | - |
| Thickness | mm | 1,0 | - |
| Weight | Kg/m ² | 1,435 | - |
| Pitch | mm | 88 | - |
| Nominal width | mm | 1104 | Tolerance ±10 mm |
| Cover Length | mm | 1054 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear (0010) |
| | | 75 | Opal (0037) |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 5500 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 60 mm with EPDM gasket Self-tapping for wood 6,5 x 75 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1150 | 1050 | 950 | 900 | 900 | 850 | 800 | 750 |

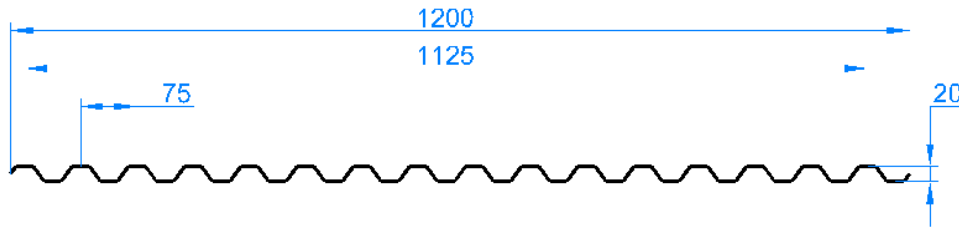
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 75/20 (Grekor 20/52)

SECTION

Rif. RG2



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|--|-----|--|
| Code | - | E366 | | - |
| Thickness | mm | 1,0 | | - |
| Weight | Kg/m ² | 1,51 | | - |
| Pitch | mm | 75 | | - |
| Nominal width | mm | 1200 | 982 | Tolerance ±10 mm |
| Cover | mm | 1125 | 900 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear [0010] |
| | | 75 | | Opal [0037] |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 5000 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 60 mm with EPDM gasket Self-tapping for wood 6,5 x 75 mm with EPDM gasket | | |
| PE spacer | - | Not available | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance A | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1150 | 1050 | 950 | 900 | 900 | 800 | 750 | 700 |

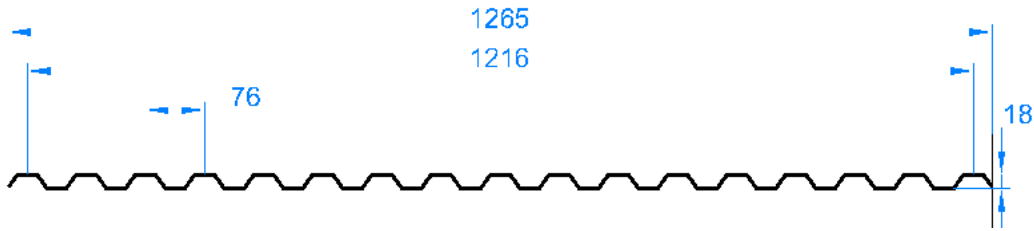
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 76/18

SECTION

Rif. RGG



TECHNICAL CHARACTERISTICS

| Code | Units | Values | | | | Notes |
|--------------------------------------|-------------------|--|------|------|-------------|--|
| | | E312 | E354 | E334 | E313 | |
| Thickness | mm | 0,8 | 0,9 | 1,0 | 1,1 | - |
| Weight | Kg/m ² | 1,20 | 1,35 | 1,45 | 1,6 | - |
| Pitch | mm | 76 | | | | - |
| Nominal width | mm | 660 | 807 | 1040 | 1265 | Tolerance ±10 mm |
| Cover | mm | 608 | 760 | 988 | 1216 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | | | Clear [0010] |
| | | 75 | | | | Opal [0037] |
| Fire certification | - | B s1 d0 | | | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 4000 | | | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | | | - |
| Service temp. (continuous use) | °C | -40° +120° | | | | - |
| UV protection | - | Yes | | | | Coextruded on external side |
| Warranty | - | - | | | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 60 mm with EPDM gasket Self-tapping for wood 6,5 x 60 mm with EPDM gasket | | | | |
| PE spacer | - | Available in 1000 mm bars | | | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 0,8 | 1050 | 1000 | 900 | 850 | 850 | 800 | 750 | 700 |
| 0,9 | 1100 | 1000 | 950 | 900 | 900 | 800 | 750 | 700 |
| 1,0 | 1150 | 1050 | 950 | 900 | 900 | 850 | 800 | 750 |
| 1,1 | 1150 | 1050 | 1000 | 950 | 950 | 850 | 800 | 750 |

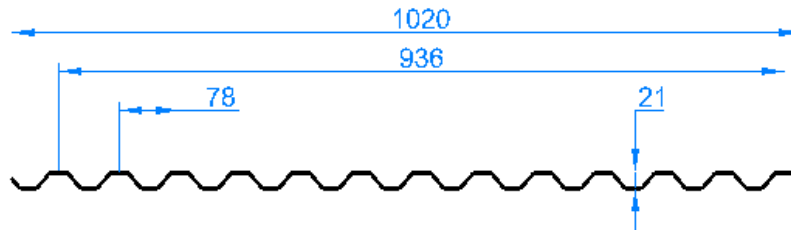
(*) Valori di rottura (coefficiente di sicurezza 1,5)

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Macrolux® Rooflite® TRAPEZ 78/21 (Alubel 21)

SECTION

Rif. RG1



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|--|--|
| Code | - | E379 | - |
| Thickness | mm | 0,9 | - |
| Weight | Kg/m ² | 1,33 | - |
| Pitch | mm | 78 | - |
| Nominal width | mm | 1020 | Tolerance ±10 mm |
| Cover | mm | 936 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear [0010] |
| | | 75 | Opal [0037] |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 5000 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 60 mm with EPDM gasket Self-tapping for wood 6,5 x 60 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 0,9 | 1100 | 1000 | 900 | 850 | 850 | 800 | 750 | 700 |

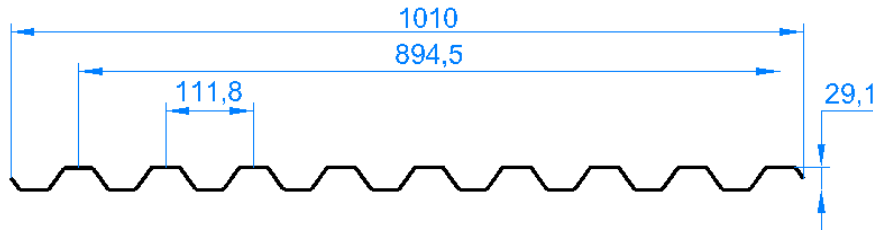
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 111,8/29,1 (Alubel 28)

SECTION

Rif. RJ1



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|--|------|--|
| Code | - | E371 | E390 | - |
| Thickness | mm | 1,0 | 1,1 | - |
| Weight | Kg/m ² | 1,50 | 1,65 | - |
| Pitch | mm | 111,8 | | - |
| Nominal width | mm | 1010 | | Tolerance ±10 mm |
| Cover | mm | 894,5 | | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear [0010] |
| | | 75 | | Opal [0037] |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 6500 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 60 mm with EPDM gasket Self-tapping for wood 6,5 x 75 mm with EPDM gasket | | |
| PE spacer | - | Not available | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

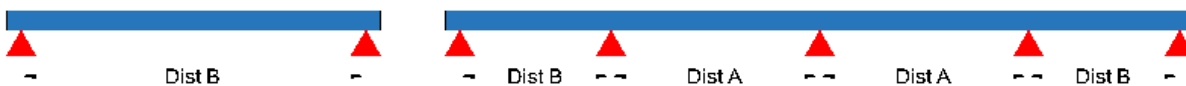
(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1300 | 1200 | 1100 | 1050 | 1050 | 950 | 900 | 850 |
| 1,1 | 1350 | 1250 | 1150 | 1100 | 1100 | 1050 | 900 | 850 |

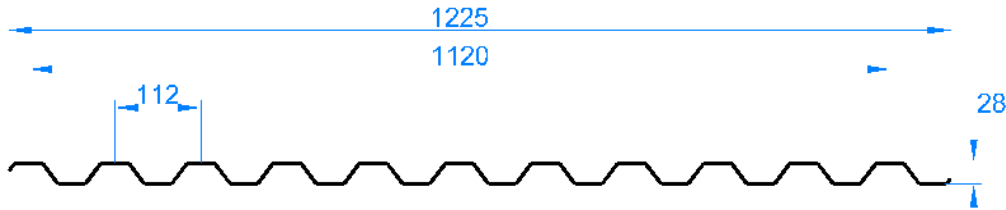
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 112/28 (Profilia LG28)

SECTION

Rif. RJJ



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|--|--|
| Code | - | E328 | - |
| Thickness | mm | 1,0 | - |
| Weight | Kg/m ² | 1,50 | - |
| Pitch | mm | 112 | - |
| Nominal width | mm | 1016 1225 | Tolerance ±10 mm |
| Cover | mm | 896 1120 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear (0010) |
| | | 75 | Opal (0037) |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 6500 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 60 mm with EPDM gasket Self-tapping for wood 6,5 x 75 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1300 | 1200 | 1100 | 1050 | 1050 | 950 | 900 | 850 |

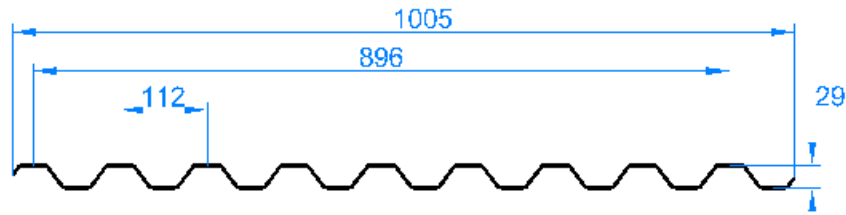
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 112/29 (Copernit Profilo 29)

SECTION

Rif. RJ2



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|--|--|
| Code | - | E391 | - |
| Thickness | mm | 1,0 | - |
| Weight | Kg/m ² | 1,50 | - |
| Pitch | mm | 112 | - |
| Nominal width | mm | 1005 | Tolerance ±10 mm |
| Cover | mm | 896 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear (0010) |
| | | 75 | Opal (0037) |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 6500 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 60 mm with EPDM gasket Self-tapping for wood 6,5 x 75 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

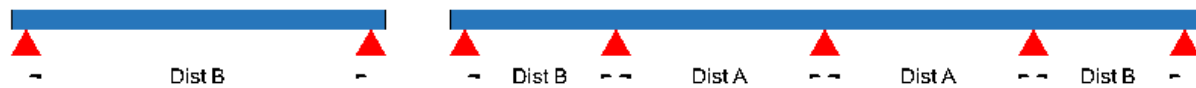
(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1350 | 1250 | 1150 | 1100 | 1100 | 1000 | 900 | 850 |

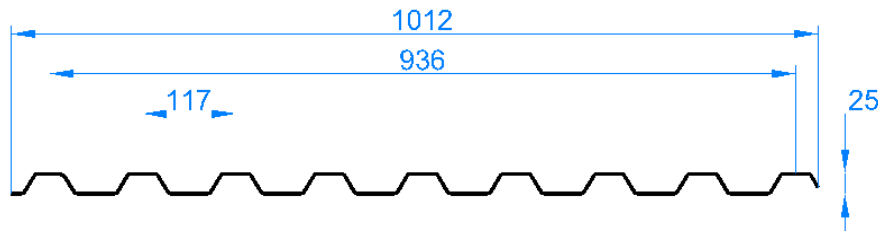
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 117/25 (Isolpack SL940)

SECTION

Rif. RJ3



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|--|--|
| Code | - | E392 | - |
| Thickness | mm | 0,9 | - |
| Weight | Kg/m ² | 1,33 | - |
| Pitch | mm | 117 | - |
| Nominal width | mm | 1012 | Tolerance ±10 mm |
| Cover | mm | 936 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear (0010) |
| | | 75 | Opal (0037) |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 5500 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 60 mm with EPDM gasket Self-tapping for wood 6,5 x 75 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

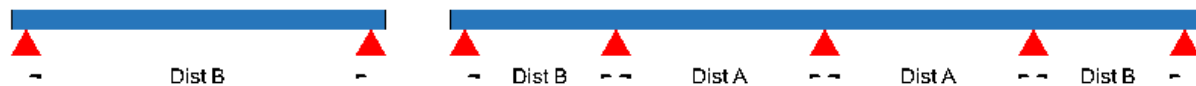
(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 0,9 | 1250 | 1150 | 1050 | 1000 | 1000 | 900 | 850 | 800 |

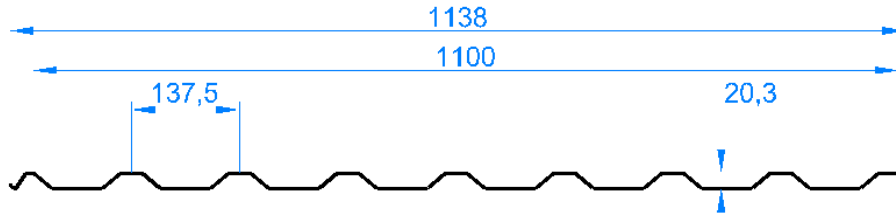
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 137,5/20,3 (Trapezprofil W-20/1100)

SECTION

Rif. RV4



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|--|--|
| Code | - | E3A3 | - |
| Thickness | mm | 1,0 | - |
| Weight | Kg/m ² | 1,33 | - |
| Pitch | mm | 137,5 | - |
| Nominal width | mm | 1138 | Tolerance ±10 mm |
| Cover | mm | 1100 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | A richiesta | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear (0010) |
| | | 75 | Opal (0037) |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 5000 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 60 mm with EPDM gasket Self-tapping for wood 6,5 x 75 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,2 | 1100 | 1000 | 900 | 850 | 850 | 800 | 750 | 700 |

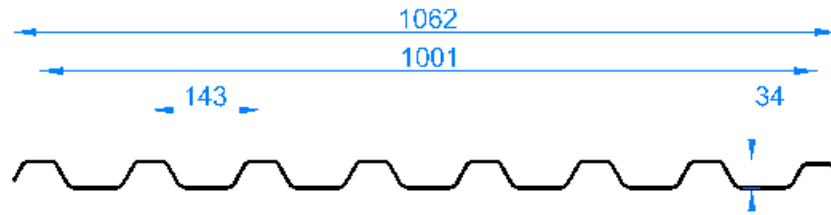
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 143/34 (Tecno Imac greca 143)

SECTION

Rif. RV2



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|---|--|
| Code | - | E396 | - |
| Thickness | mm | 1,1 | - |
| Weight | Kg/m ² | 1,65 | - |
| Pitch | mm | 143 | - |
| Nominal width | mm | 1062 | Tolerance ±10 mm |
| Cover | mm | 1001 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear (0010) |
| | | 75 | Opal (0037) |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 8500 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,1 | 1500 | 1350 | 1250 | 1200 | 1200 | 1100 | 1000 | 950 |

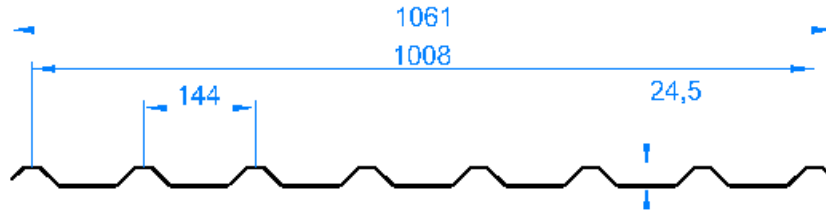
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 144/24,5 (Superpantera)

SECTION

Rif. RV1



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|--|-------|--|
| Code | - | E357 | E374 | - |
| Thickness | mm | 0,8 | 1,0 | - |
| Weight | Kg/m ² | 1,10 | 1,375 | - |
| Pitch | mm | 144 | | - |
| Nominal width | mm | 1061 | | Tolerance ±10 mm |
| Cover | mm | 1008 | | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear (0010) |
| | | 75 | | Opal (0037) |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 5500 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 60 mm with EPDM gasket Self-tapping for wood 6,5 x 75 mm with EPDM gasket | | |
| PE spacer | - | Not available | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

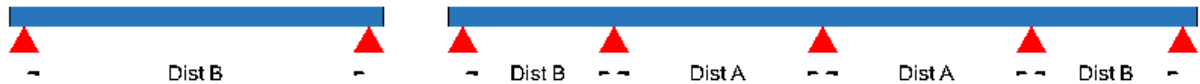
(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 0,8 | 1100 | 1000 | 950 | 900 | 900 | 800 | 750 | 700 |
| 1,0 | 1200 | 1050 | 1000 | 950 | 950 | 850 | 800 | 750 |

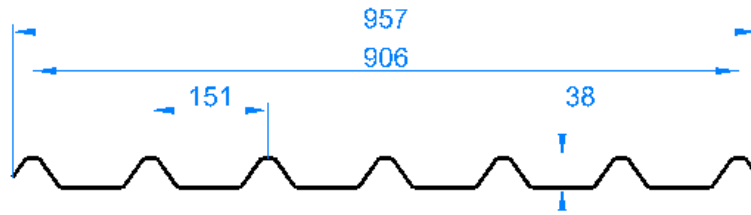
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 151/38 (Assanpanel 38/151)

SECTION

Rif. RVV



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|---|--------|--|
| Code | - | E395 | E376 | - |
| Thickness | mm | 1,0 mm | 1,2 mm | - |
| Weight | Kg/m ² | 1,55 | 1,86 | - |
| Pitch | mm | 151 | | - |
| Nominal width | mm | 957 | | Tolerance ±10 mm |
| Cover Length | mm | 906 | | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear (0010) |
| | | 75 | | Opal (0037) |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 8500 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | | |
| PE spacer | - | Not available | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1500 | 1350 | 1250 | 1200 | 1200 | 1100 | 1000 | 950 |
| 1,2 | 1550 | 1400 | 1300 | 1250 | 1250 | 1150 | 1050 | 1000 |

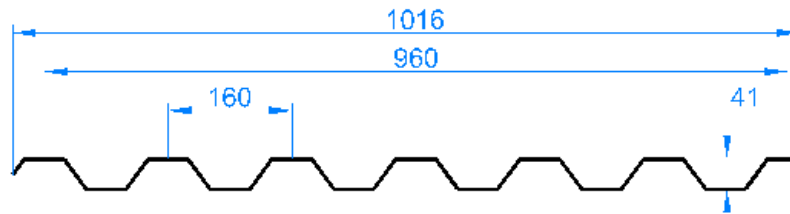
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 160/41 (Hoesch HP 41/160)

SECTION

Rif. RV3



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|---|--|
| Code | - | E380 | - |
| Thickness | mm | 1,2 | - |
| Weight | Kg/m ² | 1,80 | - |
| Pitch | mm | 160 | - |
| Nominal width | mm | 1016 | Tolerance ±10 mm |
| Cover | mm | 960 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear (0010) |
| | | 75 | Opal (0037) |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 9000 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,2 | 1650 | 1500 | 1400 | 1300 | 1300 | 1200 | 1100 | 1050 |

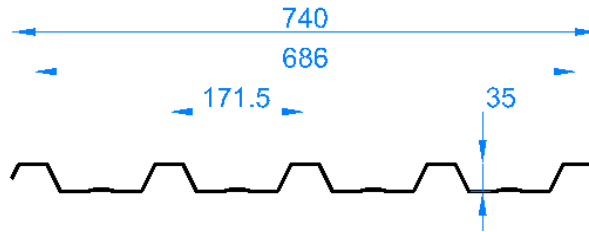
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 171,5/35 (IBR)

SECTION

Rif. R01



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|---|--|
| Code | - | E3A7 | - |
| Thickness | mm | 0,7 | - |
| Weight | Kg/m ² | 1,05 | - |
| Pitch | mm | 171,5 | - |
| Nominal width | mm | 740 | Tolerance ±10 mm |
| Cover | mm | 686 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear (0010) |
| | | 75 | Opal (0037) |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 8500 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

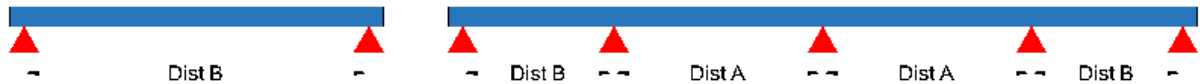
(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 0,7 | 1350 | 1250 | 1150 | 1100 | 1100 | 1000 | 900 | 850 |

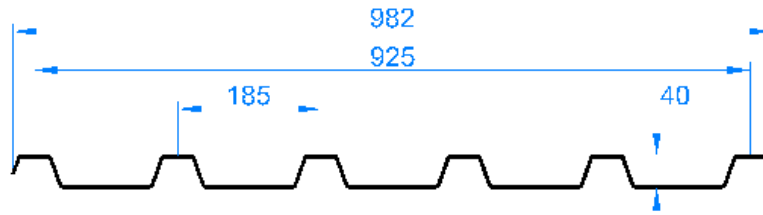
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 185/40

SECTION

Rif. R11



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|---|--------|--|
| Code | - | E389 | E387 | - |
| Thickness | mm | 1,0 mm | 1,2 mm | - |
| Weight | Kg/m ² | 1,56 | 1,87 | - |
| Pitch | mm | 185 | | - |
| Nominal width | mm | 982 | | Tolerance ±10 mm |
| Cover | mm | 925 | | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear (0010) |
| | | 75 | | Opal (0037) |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 9000 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | | |
| PE spacer | - | Not available | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1600 | 1450 | 1350 | 1300 | 1300 | 1150 | 1100 | 1050 |
| 1,2 | 1700 | 1500 | 1400 | 1350 | 1350 | 1200 | 1150 | 1100 |

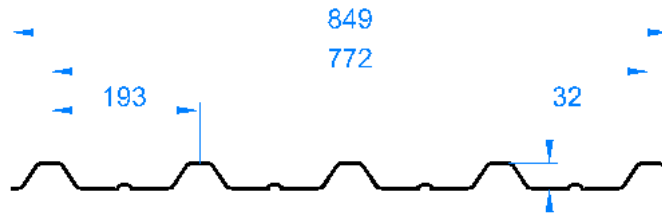
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 193/32 (Ondulit Coverib 850)

SECTION

Rif. R00



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|--|--------|--|
| Code | - | E335 | E336 | - |
| Thickness | mm | 1,0 mm | 1,2 mm | - |
| Weight | Kg/m ² | 1,45 | 1,75 | - |
| Pitch | mm | 193 | | - |
| Nominal width | mm | 849 | | Tolerance ±10 mm |
| Cover | mm | 772 | | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear (0010) |
| | | 75 | | Opal (0037) |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 7500 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 60 mm with EPDM gasket Self-tapping for wood 6,5 x 75 mm with EPDM gasket | | |
| PE spacer | - | Not available | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1350 | 1250 | 1150 | 1100 | 1100 | 1000 | 900 | 850 |
| 1,2 | 1400 | 1300 | 1200 | 1150 | 1150 | 1050 | 950 | 900 |

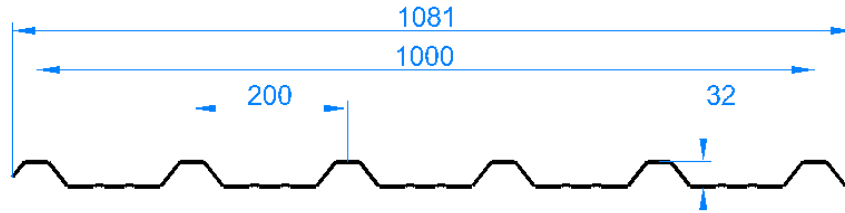
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 200/32 (Hiansa MT32)

SECTION

Rif. RLL



TECHNICAL CHARACTERISTICS

| | Units | Values | | | Notes |
|--------------------------------------|-------------------|--|------|------|--|
| Code | - | E393 | E378 | E339 | - |
| Thickness | mm | 0,85 | 0,9 | 1,0 | - |
| Weight | Kg/m ² | 1,20 | 1,26 | 1,40 | - |
| Pitch | mm | 200 | | | - |
| Nominal width | mm | 1081 | | 1100 | Tolerance ±10 mm |
| Cover | mm | 1000 | | 1000 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | | Clear [0010] |
| | | 75 | | | Opal [0037] |
| Fire certification | - | B s1 d0 | | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 7500 | | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | | - |
| Service temp. (continuous use) | °C | -40° +120° | | | - |
| UV protection | - | Yes | | | Coextruded on external side |
| Warranty | - | - | | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 60 mm with EPDM gasket Self-tapping for wood 6,5 x 75 mm with EPDM gasket | | | |
| PE spacer | - | Not available | | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 0,85 | 1350 | 1200 | 1100 | 1050 | 1050 | 950 | 900 | 850 |
| 0,9 | 1350 | 1200 | 1150 | 1100 | 1100 | 1000 | 950 | 850 |
| 1,0 | 1400 | 1250 | 1150 | 1100 | 1100 | 1000 | 950 | 900 |

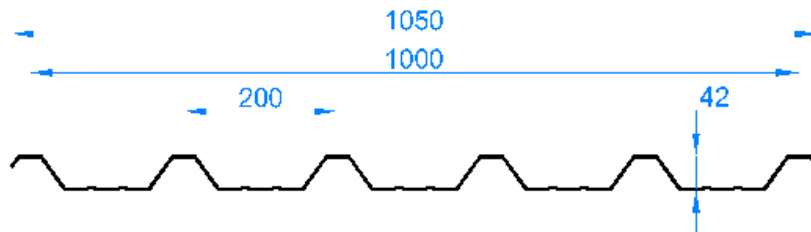
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 200/42 (Hiansa MT42)

SECTION

Rif. RII



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|---|------|--|
| Code | - | E338 | E337 | - |
| Thickness | mm | 1,0 | 1,2 | - |
| Weight | Kg/m ² | 1,45 | 1,75 | - |
| Pitch | mm | 200 | | - |
| Nominal width | mm | 1050 | | Tolerance ±10 mm |
| Cover | mm | 1000 | | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear [0010] |
| | | 75 | | Opal [0037] |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 9500 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | | |
| PE spacer | - | Not available | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

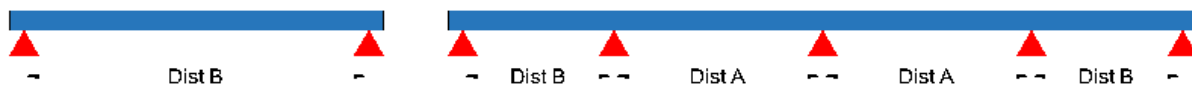
(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1600 | 1450 | 1350 | 1250 | 1250 | 1150 | 1050 | 1000 |
| 1,2 | 1650 | 1500 | 1400 | 1300 | 1300 | 1200 | 1100 | 1050 |

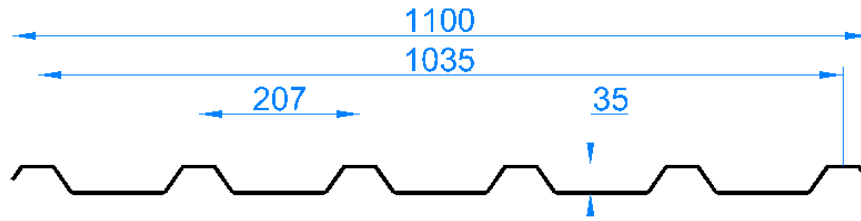
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 207/35 (Klockner 35/207)

SECTION

Rif. RB1



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|--|------|--|
| Code | - | E356 | E361 | - |
| Thickness | mm | 1,0 | 1,2 | - |
| Weight | Kg/m ² | 1,45 | 1,70 | - |
| Pitch | mm | 207 | | - |
| Nominal width | mm | 1070 | 1100 | Tolerance ±10 mm |
| Cover | mm | 1035 | 1035 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear [0010] |
| | | 75 | | Opal [0037] |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 8500 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 80 mm with EPDM gasket | | |
| PE spacer | - | Not available | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1450 | 1300 | 1250 | 1150 | 1150 | 1050 | 1000 | 950 |
| 1,2 | 1500 | 1400 | 1300 | 1200 | 1200 | 1100 | 1050 | 950 |

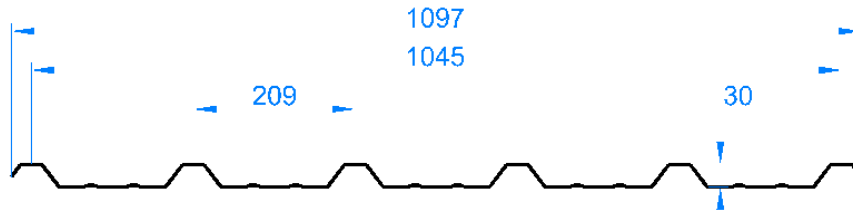
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 209/30 (Aceralia)

SECTION

Rif. RYY



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|--|------|--|
| Code | - | E3B5 | E326 | - |
| Thickness | mm | 0,9 | 1,0 | - |
| Weight | Kg/m ² | 1,30 | 1,40 | - |
| Pitch | mm | 209 | | - |
| Nominal width | mm | 1097 | | Tolerance ±10 mm |
| Cover | mm | 1045 | | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear [0010] |
| | | 75 | | Opal [0037] |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 7000 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 60 mm with EPDM gasket Self-tapping for wood 6,5 x 75 mm with EPDM gasket | | |
| PE spacer | - | Not available | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 0,9 | 1250 | 1150 | 1050 | 1000 | 1000 | 900 | 850 | 800 |
| 1,0 | 1300 | 1200 | 1100 | 1050 | 1050 | 950 | 900 | 850 |

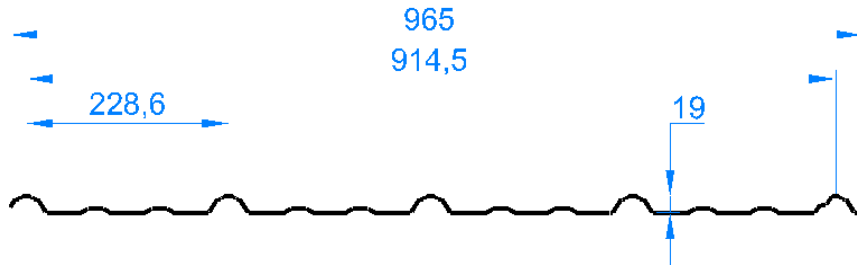
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 228,6/19 (MB9)

SECTION

Rif. RWW



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|--|--|
| Code | - | E346 | - |
| Thickness | mm | 0,8 | - |
| Weight | Kg/m ² | 1,10 | - |
| Pitch | mm | 228,6 | - |
| Nominal width | mm | 965 | Tolerance ±10 mm |
| Cover | mm | 914 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear [0010] |
| | | 75 | Opal [0037] |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 4500 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 60 mm with EPDM gasket Self-tapping for wood 6,5 x 60 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

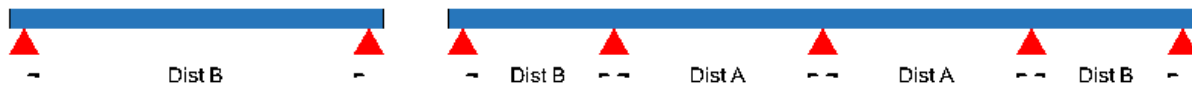
(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 0,8 | 900 | 750 | 650 | 600 | 700 | 650 | 600 | 550 |

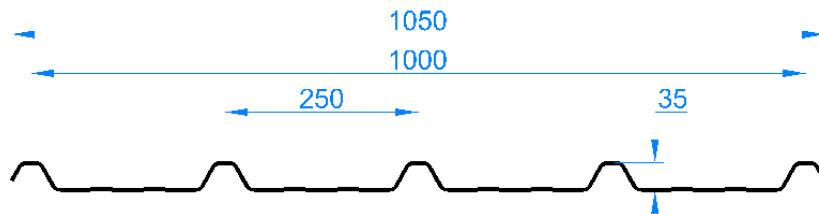
(*) Ultimate load values [safety coefficient 1.5]

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Macrolux® Rooflite® TRAPEZ 250/35 (Isometall 33.250.1000)

SECTION

Rif. RS2



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|---|--|
| Code | - | E3A2 | - |
| Thickness | mm | 1,0 | - |
| Weight | Kg/m ² | 1,37 | - |
| Pitch | mm | 250 | - |
| Nominal width | mm | 1050 | Tolerance ±10 mm |
| Cover | mm | 1000 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear (0010) |
| | | 75 | Opal (0037) |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 8500 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1400 | 1250 | 1150 | 1050 | 1100 | 1000 | 950 | 900 |

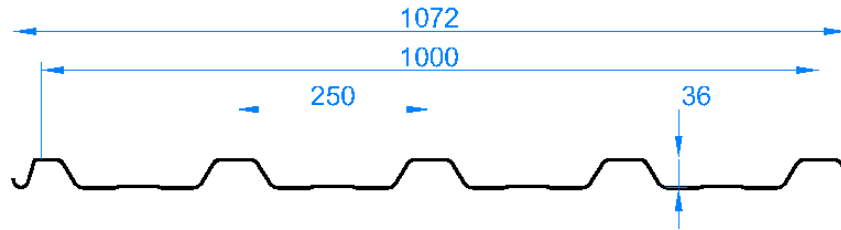
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 250/36 (SAB KD36)

SECTION

Rif. RP1



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|---|--|
| Code | - | E364 | - |
| Thickness | mm | 1,0 | - |
| Weight | Kg/m ² | 1,50 | - |
| Pitch | mm | 250 | - |
| Nominal width | mm | 1072 | Tolerance ±10 mm |
| Cover | mm | 1000 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear (0010) |
| | | 75 | Opal (0037) |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 8500 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

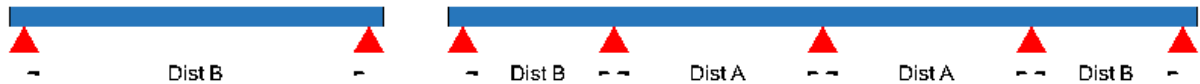
(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1500 | 1350 | 1250 | 1200 | 1200 | 1050 | 1000 | 950 |

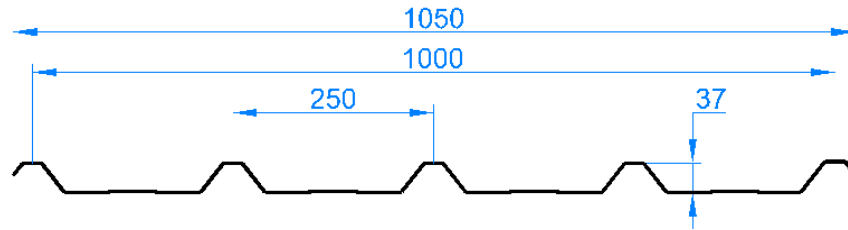
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 250/37 (Isometall 37.250.1000)

SECTION

Rif. RS1



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|---|--|
| Code | - | E3A1 | - |
| Thickness | mm | 1,0 | - |
| Weight | Kg/m ² | 1,38 | - |
| Pitch | mm | 250 | - |
| Nominal width | mm | 1050 | Tolerance ±10 mm |
| Cover | mm | 1000 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear (0010) |
| | | 75 | Opal (0037) |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 8500 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1450 | 1300 | 1200 | 1150 | 1150 | 1050 | 950 | 900 |

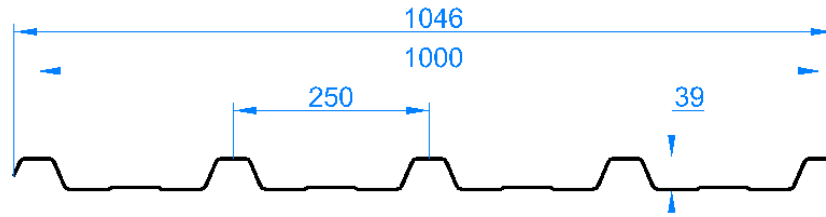
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 250/39 (Hoesch HP 39/250)

SECTION

Rif. RH4



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|---|--|
| Code | - | E382 | - |
| Thickness | mm | 1,2 | - |
| Weight | Kg/m ² | 1,75 | - |
| Pitch | mm | 250 | - |
| Nominal width | mm | 1046 | Tolerance ±10 mm |
| Cover | mm | 1000 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear (0010) |
| | | 75 | Opal (0037) |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 8500 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,2 | 1600 | 1450 | 1350 | 1250 | 1250 | 1150 | 1100 | 1000 |

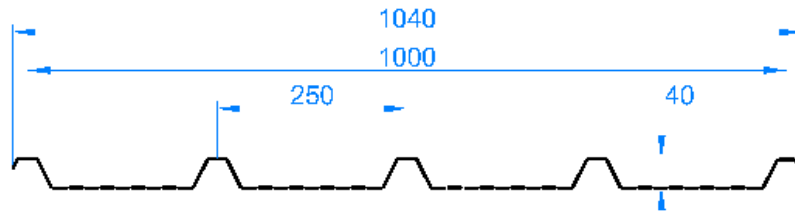
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 250/40 (Alubel Dach)

SECTION

Rif. RX4



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|---|--|
| Code | - | E397 | - |
| Thickness | mm | 1,0 | - |
| Weight | Kg/m ² | 1,46 | - |
| Pitch | mm | 250 | - |
| Nominal width | mm | 1040 | Tolerance ±10 mm |
| Cover | mm | 1000 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear (0010) |
| | | 75 | Opal (0037) |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 9000 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1500 | 1350 | 1250 | 1200 | 1200 | 1050 | 1000 | 950 |

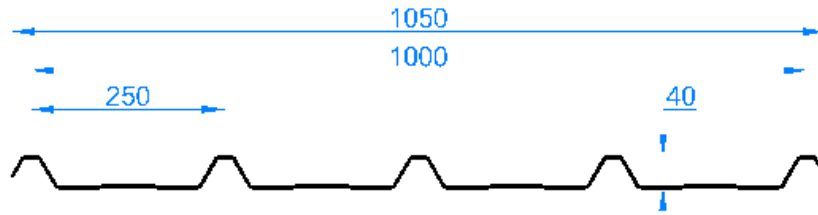
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 250/40 (Cobacier 1004)

SECTION

Rif. RXX



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|---|------|--|
| Code | - | E383 | E352 | - |
| Thickness | mm | 0,9 | 1,0 | - |
| Weight | Kg/m ² | 1,305 | 1,45 | - |
| Pitch | mm | 250 | | - |
| Nominal width | mm | 1050 | | Tolerance ±10 mm |
| Cover | mm | 1000 | | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear [0010] |
| | | 75 | | Opal [0037] |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 9000 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | | |
| PE spacer | - | Not available | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 0,9 | 1400 | 1250 | 1200 | 1100 | 1100 | 1000 | 950 | 900 |
| 1,0 | 1450 | 1300 | 1250 | 1150 | 1150 | 1050 | 1000 | 950 |

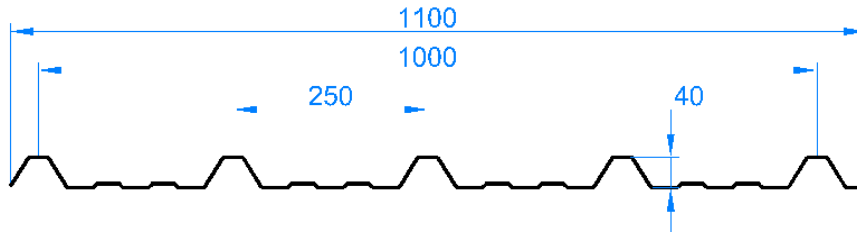
(*) Ultimate load values [safety coefficient 1.5]

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Macrolux® Rooflite® TRAPEZ 250/40 (Ikön-Utap)

SECTION

Rif. RX1



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|---|--|
| Code | - | E355 | - |
| Thickness | mm | 1,0 | - |
| Weight | Kg/m ² | 1,50 | - |
| Pitch | mm | 250 | - |
| Nominal width | mm | 1100 | Tolerance ±10 mm |
| Cover | mm | 1000 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear [0010] |
| | | 75 | Opal [0037] |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 9000 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1500 | 1350 | 1250 | 1200 | 1200 | 1050 | 1000 | 950 |

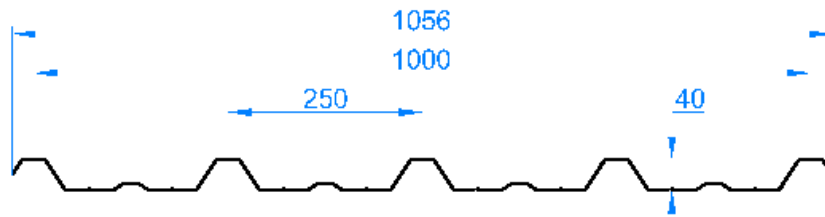
(*) Ultimate load values [safety coefficient 1.5]

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Macrolux® Rooflite® TRAPEZ 250/40 (Isolpack RW1000)

SECTION

Rif. RH1



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|---|--|
| Code | - | E377 | - |
| Thickness | mm | 0,9 | - |
| Weight | Kg/m ² | 1,35 | - |
| Pitch | mm | 250 | - |
| Nominal width | mm | 1056 | Tolerance ±10 mm |
| Cover | mm | 1000 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear (0010) |
| | | 75 | Opal (0037) |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 9000 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 0,9 | 1450 | 1300 | 1250 | 1150 | 1150 | 1050 | 1000 | 950 |

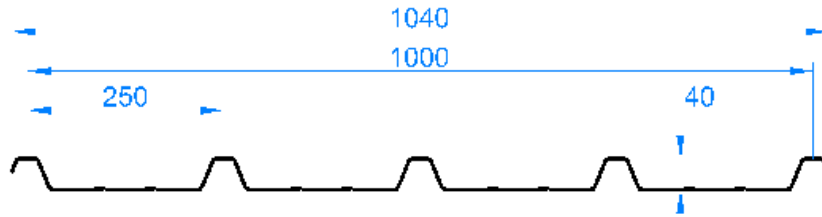
(*) Ultimate load values [safety coefficient 1.5]

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Macrolux® Rooflite® TRAPEZ 250/40

SECTION

Rif. RHH



TECHNICAL CHARACTERISTICS

| Code | Units | Values | | | Notes |
|--------------------------------------|-------------------|---|------|------|--|
| | | E344 | E348 | E349 | |
| Thickness | mm | 0,9 | 1,0 | 1,2 | - |
| Weight | Kg/m ² | 1,40 | 1,50 | 1,80 | - |
| Pitch | mm | 250 | | | - |
| Nominal width | mm | 1040 | | | Tolerance ±10 mm |
| Cover | mm | 1000 | | | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | | Clear (0010) |
| | | 75 | | | Opal (0037) |
| Fire certification | - | B s1 d0 | | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 9000 | | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | | - |
| Service temp. (continuous use) | °C | -40° +120° | | | - |
| UV protection | - | Yes | | | Coextruded on external side |
| Warranty | - | - | | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | | | |
| PE spacer | - | Not available | | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 0,9 | 1450 | 1300 | 1250 | 1150 | 1150 | 1050 | 1000 | 950 |
| 1,0 | 1500 | 1350 | 1250 | 1200 | 1200 | 1100 | 1000 | 950 |
| 1,2 | 1550 | 1400 | 1300 | 1250 | 1250 | 1150 | 1050 | 1000 |

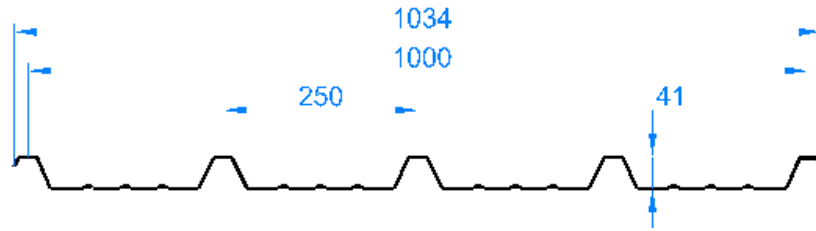
(*) Valori di rottura (coefficiente di sicurezza 1,5)

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Macrolux® Rooflite® TRAPEZ 250/40 (Isolpack Delta 5A)

SECTION

Rif. RH3



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|---|--|
| Code | - | E365 | - |
| Thickness | mm | 1,0 | - |
| Weight | Kg/m ² | 1,50 | - |
| Pitch | mm | 250 | - |
| Nominal width | mm | 1034 | Tolerance ±10 mm |
| Cover | mm | 1000 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear (0010) |
| | | 75 | Opal (0037) |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 9000 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

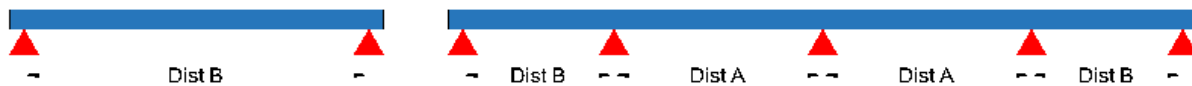
(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1500 | 1350 | 1250 | 1200 | 1200 | 1100 | 1000 | 950 |

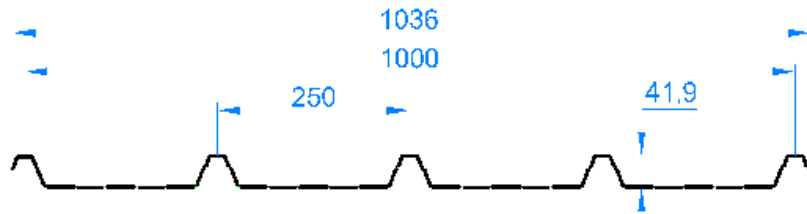
(*) Ultimate load values [safety coefficient 1.5]

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Macrolux® Rooflite® TRAPEZ 250/40 (Italpanelli Penta)

SECTION

Rif. RX3



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|---|--|
| Code | - | E363 | - |
| Thickness | mm | 1,0 | - |
| Weight | Kg/m ² | 1,50 | - |
| Pitch | mm | 250 | - |
| Nominal width | mm | 1036 | Tolerance ±10 mm |
| Cover | mm | 1000 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | A richiesta | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear [0010] |
| | | 75 | Opal [0037] |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 9000 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1500 | 1350 | 1250 | 1200 | 1200 | 1100 | 1000 | 950 |

(*) Ultimate load values [safety coefficient 1.5]

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STABILIT SUISSE SA

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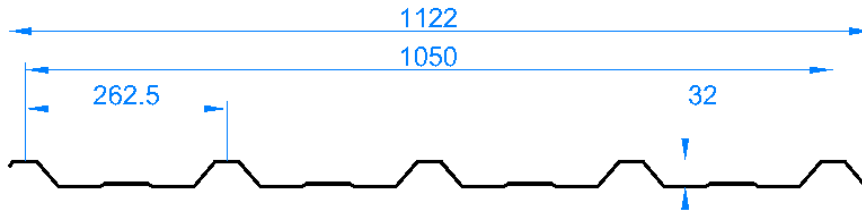
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www.stabilitsuisse.com

Macrolux® Rooflite® TRAPEZ 262,5/32 (Teczone TZ-32)

SECTION

Rif. RPP



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|--|------|--|
| Code | - | E331 | E332 | - |
| Thickness | mm | 0,8 | 1,0 | - |
| Weight | Kg/m ² | 1,10 | 1,35 | - |
| Pitch | mm | 262,5 | | - |
| Nominal width | mm | 1122 | | Tolerance ±10 mm |
| Cover | mm | 1050 | | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear [0010] |
| | | 75 | | Opal [0037] |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 7500 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 60 mm with EPDM gasket Self-tapping for wood 6,5 x 75 mm with EPDM gasket | | |
| PE spacer | - | Not available | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

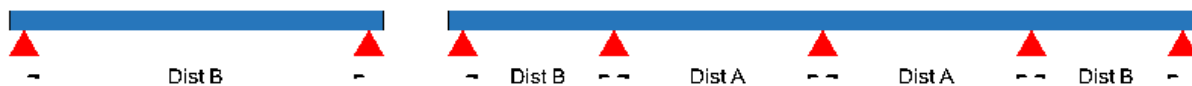
(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 0,8 | 1250 | 1150 | 1050 | 950 | 1000 | 900 | 850 | 800 |
| 1,0 | 1350 | 1200 | 1150 | 1050 | 1050 | 950 | 900 | 850 |

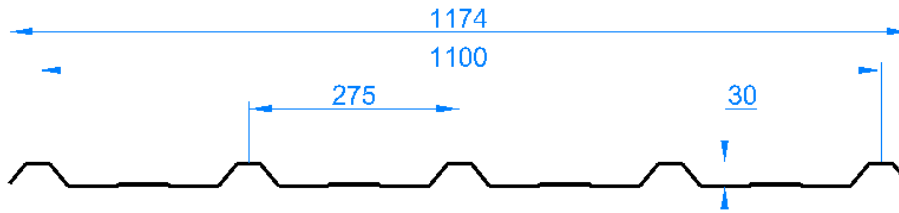
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 275/30

SECTION

Rif. RX2



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|--|------|--|
| Code | - | E360 | E375 | - |
| Thickness | mm | 0,8 | 1,0 | - |
| Weight | Kg/m ² | 1,07 | 1,35 | - |
| Pitch | mm | 275 | | - |
| Nominal width | mm | 1174 | | Tolerance ±10 mm |
| Cover | mm | 1100 | | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear [0010] |
| | | 75 | | Opal [0037] |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 7000 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 60 mm with EPDM gasket Self-tapping for wood 6,5 x 75 mm with EPDM gasket | | |
| PE spacer | - | Not available | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 0,8 | 1150 | 1050 | 900 | 800 | 900 | 800 | 750 | 750 |
| 1,0 | 1250 | 1150 | 1050 | 1000 | 1000 | 900 | 850 | 800 |

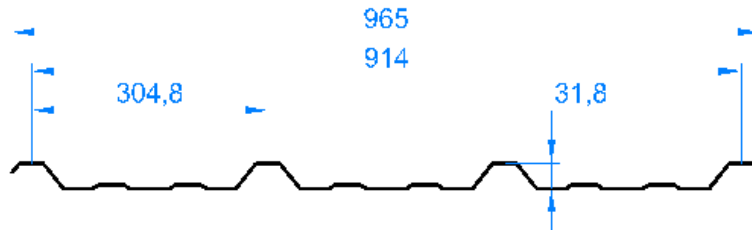
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 304,8/31,8 (MB12)

SECTION

Rif. RZZ



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|--|------|--|
| Code | - | E372 | E342 | - |
| Thickness | mm | 0,7 | 0,8 | - |
| Weight | Kg/m ² | 0,965 | 1,1 | - |
| Pitch | mm | 304,8 | | - |
| Nominal width | mm | 965 | | Tolerance ±10 mm |
| Cover | mm | 914 | | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear [0010] |
| | | 75 | | Opal [0037] |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 7500 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 60 mm with EPDM gasket Self-tapping for wood 6,5 x 75 mm with EPDM gasket | | |
| PE spacer | - | Not available | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

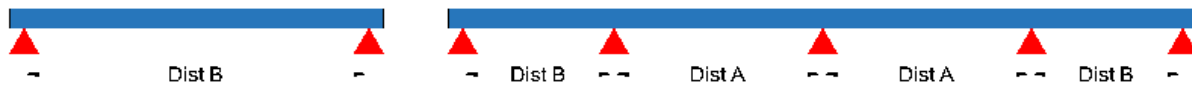
(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 0,7 | 1150 | 1050 | 950 | 850 | 900 | 850 | 800 | 750 |
| 0,8 | 1200 | 1100 | 1000 | 900 | 950 | 900 | 850 | 800 |

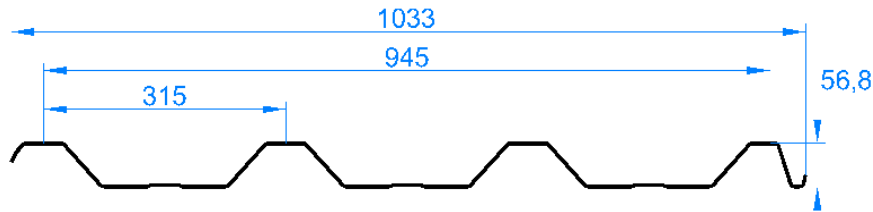
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 315/56,8 (SAB 58KD/945)

SECTION

Rif. RZ2



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|--|------|--|
| Code | - | E368 | E369 | - |
| Thickness | mm | 1,0 | 1,2 | - |
| Weight | Kg/m ² | 1,45 | 1,7 | - |
| Pitch | mm | 315 | | - |
| Nominal width | mm | 1033 | | Tolerance ±10 mm |
| Cover Length | mm | 945 | | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear (0010) |
| | | 75 | | Opal (0037) |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 12500 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 100 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | | |
| PE spacer | - | Not available | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1850 | 1650 | 1550 | 1450 | 1450 | 1350 | 1250 | 1150 |
| 1,2 | 1900 | 1750 | 1600 | 1550 | 1550 | 1400 | 1300 | 1250 |

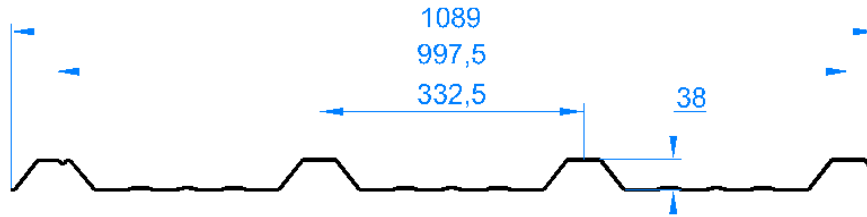
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 332,5/38 (Teja Nueva Kubimil)

SECTION

Rif. RN2



TECHNICAL CHARACTERISTICS

| | Units | Values | Notes |
|--------------------------------------|-------------------|---|--|
| Code | - | E3B2 | - |
| Thickness | mm | 1,0 | - |
| Weight | Kg/m ² | 1,35 | - |
| Pitch | mm | 332,5 | - |
| Nominal width | mm | 1089 | Tolerance ±10 mm |
| Cover | mm | 997,5 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | Clear (0010) |
| | | 75 | Opal (0037) |
| Fire certification | - | B s1 d0 | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 8500 | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | - |
| Service temp. (continuous use) | °C | -40° +120° | - |
| UV protection | - | Yes | Coextruded on external side |
| Warranty | - | - | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | |
| PE spacer | - | Not available | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1450 | 1300 | 1200 | 1100 | 1150 | 1050 | 950 | 900 |

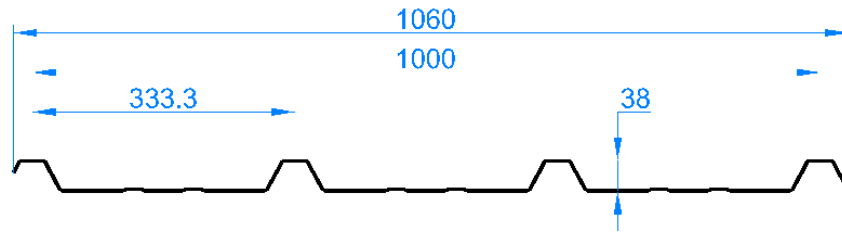
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 333,3/38 (Scope 333,5x38)

SECTION

Rif. RN1



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|---|--------|--|
| Code | - | E367 | E394 | - |
| Thickness | mm | 1,0 mm | 1,2 mm | - |
| Weight | Kg/m ² | 1,475 | 1,80 | - |
| Pitch | mm | 333,3 | | - |
| Nominal width | mm | 1060 | | Tolerance ±10 mm |
| Cover | mm | 1000 | | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear (0010) |
| | | 75 | | Opal (0037) |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 8500 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | | |
| PE spacer | - | Not available | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1450 | 1300 | 1200 | 1100 | 1150 | 1050 | 950 | 900 |
| 1,2 | 1500 | 1350 | 1250 | 1200 | 1200 | 1100 | 1000 | 950 |

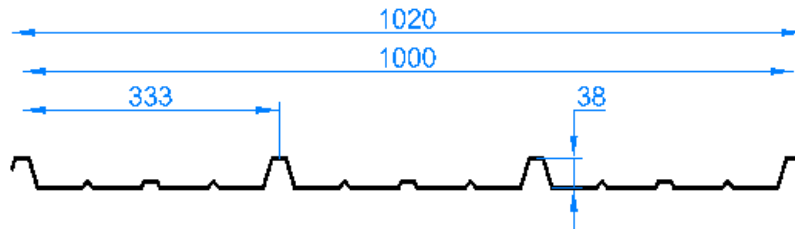
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 333/38 (Metecno A38)

SECTION

Rif. RCC



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|--|------|--|
| Code | - | E318 | E319 | - |
| Thickness | mm | 1,0 | 1,2 | - |
| Weight | Kg/m ² | 1,50 | 1,80 | - |
| Pitch | mm | 333 | | - |
| Nominal width | mm | 1020 | | Tolerance ±10 mm |
| Cover | mm | 1000 | | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear (0010) |
| | | 75 | | Opal (0037) |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 8500 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Top: Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket Bottom: Self-drilling 6,3 x 45 mm with EPDM gasket Self-tapping for wood 6,5 x 60 mm with EPDM gasket | | |
| PE spacer | - | Not available | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1400 | 1250 | 1100 | 1000 | 1100 | 1000 | 950 | 900 |
| 1,2 | 1450 | 1300 | 1200 | 1100 | 1150 | 1050 | 1000 | 950 |

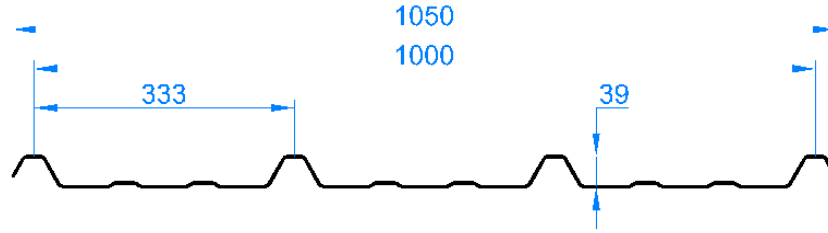
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 333/39 (Haironville 39/333)

SECTION

Rif. RD1



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|--|--------|--|
| Code | - | E351 | E386 | - |
| Thickness | mm | 1,0 mm | 1,2 mm | - |
| Weight | Kg/m ² | 1,40 | 1,70 | - |
| Pitch | mm | 333 | | - |
| Nominal width | mm | 1050 | | Tolerance ±10 mm |
| Cover | mm | 1000 | | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear (0010) |
| | | 75 | | Opal (0037) |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 8500 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Top: Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket Bottom: Self-drilling 6,3 x 45 mm with EPDM gasket Self-tapping for wood 6,5 x 60 mm with EPDM gasket | | |
| PE spacer | - | Not available | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1400 | 1250 | 1150 | 1050 | 1100 | 1000 | 950 | 900 |
| 1,2 | 1450 | 1350 | 1250 | 1150 | 1150 | 1050 | 1000 | 950 |

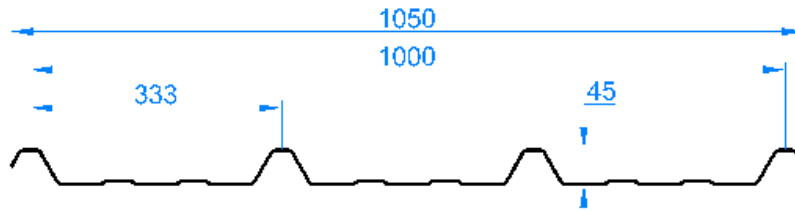
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 333/45 (Nervesco 3.45.1000)

SECTION

Rif. RNN



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|--|------|--|
| Code | - | E333 | E320 | - |
| Thickness | mm | 1,0 | 1,2 | - |
| Weight | Kg/m ² | 1,45 | 1,70 | - |
| Pitch | mm | 333 | | - |
| Nominal width | mm | 1050 | | Tolerance ±10 mm |
| Cover | mm | 1000 | | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear [0010] |
| | | 75 | | Opal [0037] |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 9500 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Top: Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket Bottom: Self-drilling 6,3 x 45 mm with EPDM gasket Self-tapping for wood 6,5 x 60 mm with EPDM gasket | | |
| PE spacer | - | Not available | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

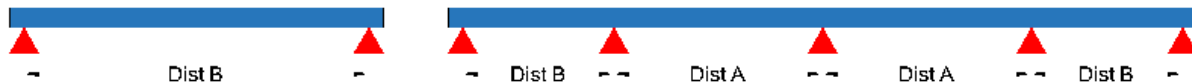
(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 1,0 | 1550 | 1400 | 1300 | 1200 | 1250 | 1100 | 1050 | 1000 |
| 1,2 | 1600 | 1450 | 1350 | 1300 | 1300 | 1150 | 1100 | 1000 |

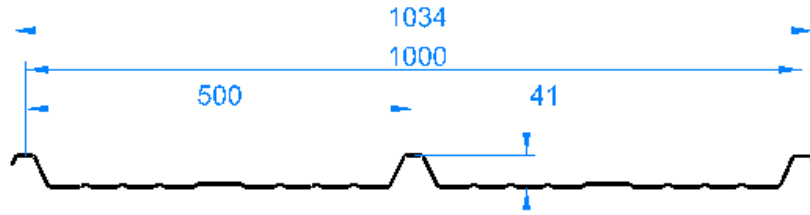
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® TRAPEZ 500/41

SECTION

Rif. RH2



TECHNICAL CHARACTERISTICS

| | Units | Values | | Notes |
|--------------------------------------|-------------------|--|------|--|
| Code | - | E388 | E358 | - |
| Thickness | mm | 0,9 | 1,2 | - |
| Weight | Kg/m ² | 1,27 | 1,70 | - |
| Pitch | mm | 500 | | - |
| Nominal width | mm | 1034 | | Tolerance ±10 mm |
| Cover | mm | 1000 | | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | Clear (0010) |
| | | 75 | | Opal (0037) |
| Fire certification | - | B s1 d0 | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 9000 | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | - |
| Service temp. (continuous use) | °C | -40° +120° | | - |
| UV protection | - | Yes | | Coextruded on external side |
| Warranty | - | - | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Top: Self-drilling 6,3 x 80 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket Bottom: Self-drilling 6,3 x 45 mm with EPDM gasket Self-tapping for wood 6,5 x 60 mm with EPDM gasket | | |
| PE spacer | - | Not available | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distanza A | | | | Distanza B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 0,9 | 1300 | 1100 | 1000 | 900 | 1050 | 950 | 900 | 850 |
| 1,2 | 1400 | 1300 | 1100 | 1000 | 1150 | 1050 | 950 | 900 |

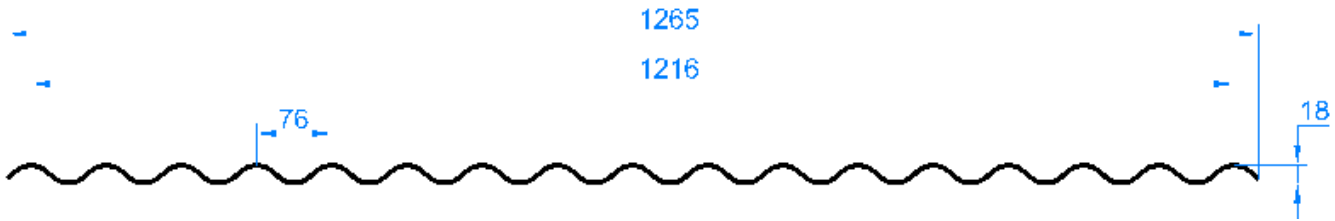
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® WAVE 76/18

SECTION

Rif. RUU



TECHNICAL CHARACTERISTICS

| Code | Units | Values | | | Notes | | |
|--------------------------------------|-------------------|--|------|------|--|------|------------------|
| | | E306 | E310 | E303 | | | |
| Thickness | mm | 0,8 | 1,0 | 1,1 | - | | |
| Weight | Kg/m ² | 1,10 | 1,35 | 1,50 | - | | |
| Pitch | mm | 76 | | | - | | |
| Nominal width | mm | 660 | 836 | 1040 | 1116 | 1265 | Tolerance ±10 mm |
| Cover | mm | 608 | 900 | 988 | 1064 | 1216 | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | | Max suggested length 6,0 m | | |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | | Clear (0010) | | |
| | | 75 | | | Opal (0037) | | |
| Fire certification | - | B s1 d0 | | | According to EN 13501-1 (**) | | |
| Minimum bending radius | mm | 4000 | | | - | | |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | | - | | |
| Service temp. (continuous use) | °C | -40° +120° | | | - | | |
| UV protection | - | Yes | | | Coextruded on external side | | |
| Warranty | - | - | | | Refer to Stabilit 10-years lim. warranty | | |
| Minimum slope for installation | % | 5 | | | For sheets > 6 m min. 10% | | |
| Suggested fastening | - | Self-drilling 6,3 x 60 mm with EPDM gasket Self-tapping for wood 6,5 x 60 mm with EPDM gasket | | | | | |
| PE spacer | - | Available in 988 mm bars | | | | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

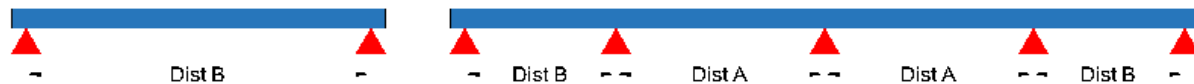
(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 0.8 | 1.000 | 900 | 850 | 800 | 800 | 700 | 650 | 600 |
| 1.0 | 1.050 | 950 | 900 | 850 | 850 | 750 | 700 | 650 |
| 1.1 | 1.100 | 1.000 | 900 | 850 | 850 | 800 | 750 | 700 |

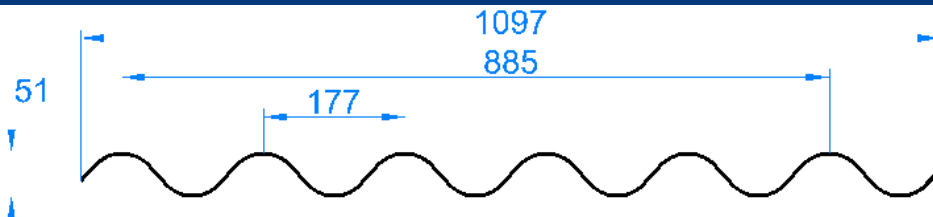
(*) Ultimate load values (safety coefficient 1.5)

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Macrolux® Rooflite® WAVE 177/51

SECTION

Rif. RAA



TECHNICAL CHARACTERISTICS

| | Units | Values | | | | | Notes |
|--------------------------------------|-------------------|--|------|------|------|------|--|
| Code | - | E384 | E381 | E308 | E304 | E305 | - |
| Thickness | mm | 0,8 | 0,9 | 1,0 | 1,2 | 1,4 | - |
| Weight | Kg/m ² | 1,16 | 1,31 | 1,45 | 1,70 | 2,00 | - |
| Pitch | mm | 177 | | | | | - |
| Nominal width | mm | 920 | 1097 | | 1186 | | Tolerance ±10 mm |
| Cover | mm | 708 | 885 | | 1062 | | Tolerance ± 5 mm |
| Length ⁽¹⁾⁽²⁾ | mm | On request | | | | | Max suggested length 6,0 m |
| Light transmission ⁽³⁾⁽⁴⁾ | % | 89 | | | | | Clear (0010) |
| | | 75 | | | | | Opal (0037) |
| Fire certification | - | B s1 d0 | | | | | According to EN 13501-1 (**) |
| Minimum bending radius | mm | 11500 | | | | | - |
| Coefficient of thermal expansion | mm/m °C | 0,065 | | | | | - |
| Service temp. (continuous use) | °C | -40° +120° | | | | | - |
| UV protection | - | Yes | | | | | Coextruded on external side |
| Warranty | - | - | | | | | Refer to Stabilit 10-years lim. warranty |
| Minimum slope for installation | % | 5 | | | | | For sheets > 6 m min. 10% |
| Suggested fastening | - | Self-drilling 6,3 x 100 mm with EPDM gasket Self-tapping for wood 6,5 x 100 mm with EPDM gasket | | | | | |
| PE spacer | - | Available in 2000 mm bars | | | | | |

For detailed instructions on installing Macrolux® Rooflite® sheets, refer to the technical manual

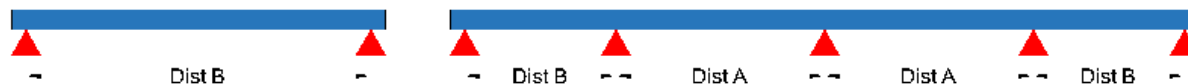
(1) Parallel and diagonal max ± 10 mm
(4) For 1,0 mm thickness

(2) Banana effect and side warp max ± 3mm/m
(**) Fire certification could be subject to limitations

(3) Internal test according to ASTM standard
Dimensional tolerances according to EN 1013

LOAD VALUES

BREAKAGE LOAD VALUES (*) FOR EVENLY DISTRIBUTED LOAD



| Thickness mm | Distance A | | | | Distance B | | | |
|-----------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|
| | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² | 600 N/m ² | 900 N/m ² | 1.200 N/m ² | 1.500 N/m ² |
| 0,8 | 1550 | 1400 | 1300 | 1150 | 1200 | 1100 | 1000 | 900 |
| 0,9 | 1600 | 1450 | 1350 | 1250 | 1250 | 1150 | 1050 | 1000 |
| 1,0 | 1650 | 1500 | 1350 | 1300 | 1300 | 1200 | 1100 | 1050 |
| 1,2 | 1700 | 1550 | 1450 | 1350 | 1350 | 1250 | 1150 | 1100 |
| 1,4 | 1750 | 1600 | 1500 | 1400 | 1400 | 1300 | 1200 | 1150 |

(*) Ultimate load values (safety coefficient 1.5)

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