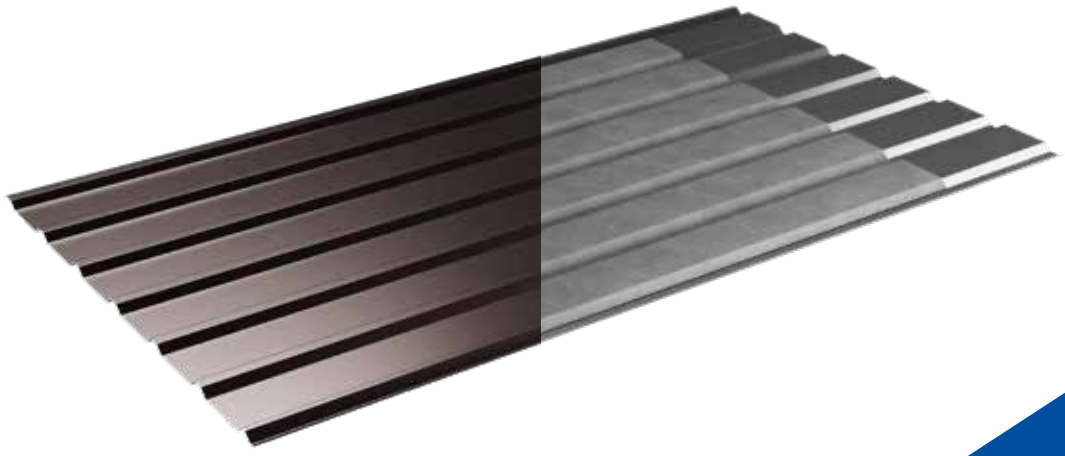
BLACHOTRAPEZ®

Trapezoidal metal sheet
T18 Hydrocontrol



Product
data sheet

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General information

The T18 Hydrocontrol trapezoidal sheet is a solution designed for roofs with simple structures, especially where there is a risk of increased condensation.

Advantages and properties

The T18 Hydrocontrol is perfect for outbuildings, halls, garages, warehouses, as well as gazebos and summer houses.

Advantages of T18 Hydrocontrol sheet:

- Protection against water condensation.
- Aesthetics and modern appearance – the sheet fits perfectly with minimalist architecture.
- Versatile applications – from industrial buildings to single-family homes.
- Quick installation and the ability to cut to size – tailored to individual needs.
- Good adhesion of sheets to each other when joined crosswise.
- Elimination of capillary absorption.
- Reduced boating effect.

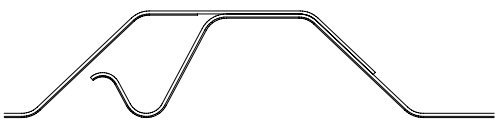
Technical details

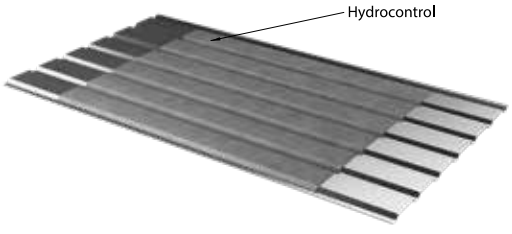
Total width:	**~1156 mm**	Maximum sheet length:	**10 mb***
Cover width:	**1110 mm**	Pitch:	**185 mm**
Thickness of the finished product (steel):	**0,5-0,7 mm**	Width of crown:	**28 mm**
Thickness of the finished product (aluminium):	**0,6 mm**	Width of valley:	**121 mm**
Minimum sheet length:	**0,9 mb**	Depth of profile:	**17 mm**

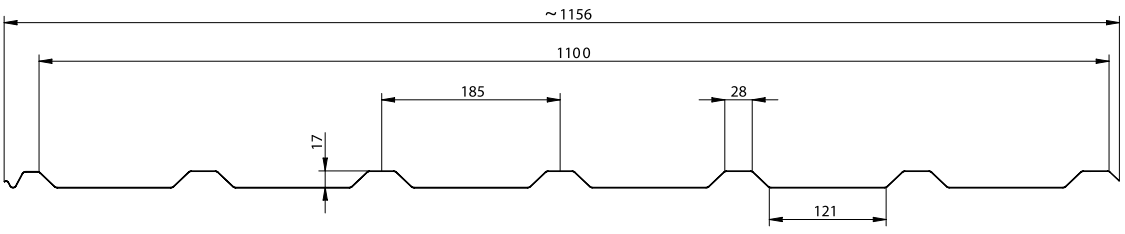
* Blachotrapez is not responsible for mechanical damage caused during transport in sheets longer than the ones recommended in the Technical Specifications of the Profile. Ordering sheets longer than recommended increases the risk of damage during transport, processing and assembly. Sheets longer than recommended may be deformed. This is due to the production technology and the expansion of the material under the influence of temperature amplitude.

T18 Hydrocontrol - Dimensions and welt, Cross-section

SHEET FOLDING VIEW







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NIP 676-243-17-30
REGON 121387287

Application

T18 Hydrocontrol trapezoidal sheet metal, supplied in the form of finished elements, is used for roofing with a slope of at least 9°. These sheets are used as finishing and safety elements in buildings. Trapezoidal sheets must be used in accordance with technical projects of buildings, the manufacturer's installation instructions and recommendations, current standards, and technical and construction regulations.

The roof structure must be designed, constructed, and installed in accordance with current building and industry standards, based on an approved construction plan. A key requirement for the effective operation of the anti-condensation coating is ensuring proper sheet ventilation. The ventilation space must be continuous. Inadequate ventilation space will prevent the HydroControl coating from functioning properly.

Limiting the anti-condensation adhesive to the center of the sheet (20 cm from the bottom and 20 cm from the top) prevents water from seeping from the eaves and ridge into the anti-condensation area. This solution eliminates the need for the roofer to cut off or burn off the anti-condensation adhesive, or use other techniques to eliminate the seepage effect. This makes roof installation with T18 Hydrocontrol faster, easier, and more user-friendly.

Sheet joints should be made in areas that are factory-sealed without anti-condensation. Otherwise, the anti-condensation barrier should be removed by cutting out the sheet joints and eaves to prevent water and external moisture from being absorbed into the material layer.

When profiling trapezoidal sheets, for technical and technological reasons, transverse U-shaped bending of the sheets may occur. In this case, it is necessary to use additional 19 mm long screws (sheet to sheet) during installation at the longitudinal overlap. This is a natural phenomenon and beyond the manufacturer's control.

An additional, special micro-reprofile offsets the shear stresses caused by anti-condensation and reduces boating. This reprofile can be visible under specific lighting conditions and roof viewing angles.

Blachotrapez recommends to purchase all materials required for one investment under one purchase order. Otherwise it is possible that the colour shades and texture will vary which shall not be attributable to the Manufacturer.

The applied material has a wide range of applications due to the environmental classification, which is confirmed by a long warranty period depending on material (see the separate warranty form uploaded to our website www.blachotrapez.eu).

Research results / Documentation

The T18 Hydrocontrol has a Declaration of Performance drawn up in accordance with the applicable standards and regulations for construction products.

Packing

Trapezoidal sheets are secured with polyurethane foam, stretch film, and adhesive tape. Packaging methods may vary for smaller orders (usually less than 20 meters) or depending on the country of distribution due to local market conditions.

Additional information

For all types of profiles we have properly prepared instructions for transport, storage, cutting and maintenance of sheet metal. To familiarize yourself with the content, please visit www.blachotrapez.eu and contact our Technical and Trade Consultants or branches of our company - addresses can also be found on our website.

We also have numerous awards and certificates, which you can find on our website www.blachotrapez.eu

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