

MARCOTHERM ANELLO

Code ANE090SP01

DESCRIPTION



The MARCOTHERM ANELLO mounting plates are round polypropylene plates.
The internal surface is rippled and the external surface is perforated.

Dimensions

- Diameter: 90 mm
- Useful surface diameter: 70 mm
- Thickness: 10 mm

Fastening

- Adhesive: MARCOTHERM COLLA PU

APPLICATION

The perforated surface is an excellent substrate for the mortar layer. Only use self-threading or wood screws for fastening into the MTH ANELLO mounting plates.

The MTH ANELLO mounting plates are especially suitable as supports for the mounting of elements from outside sources, without thermal bridge, in Thermal Insulation Composite Systems made of expanded polystyrene (EPS) and mineral wool (MW).

The MTH ANELLO mounting plates ensure the mounting of external elements, without thermal bridge, such as for:

Curtain rods

Fastened by means of self-threading or wood screws.
No adhesive is required.

Light panels

Fastened by means of self-threading or wood screws.

Temperature sensors

Fastened by means of self-threading or wood screws.

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TECHICAL INFORMATION

Allowable shear stress P_Q

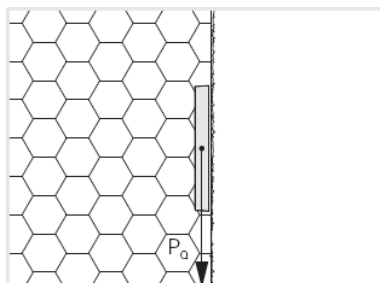
on perfectly glued MTH ANELLO mounting plates on

- 15 kg/m EPS insulation panels: 40 kg
- 120 kg/m MW insulation panels: 32 kg

on unglued MTH ANELLO mounting plates on

- 15 kg/m EPS insulation panels: 32 kg
- 120 kg/m MW insulation panels: 30 kg

A value of 25 kg/5 cm for the reinforcing fabric was considered in the values seen above.



Allowable shear stress P_Q

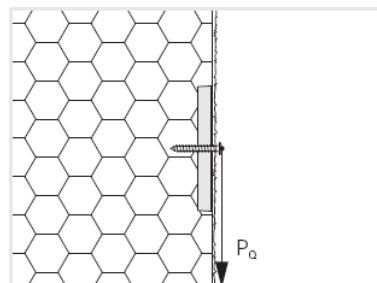
on perfectly glued MTH ANELLO mounting panels on

- 15 kg/m EPS insulation panels: 40 kg
- 120 kg/m MW insulation panels: 32 kg

on unglued MTH ANELLO mounting plates on

- 15 kg/m EPS insulation panels: 32 kg
- 120 kg/m MW insulation panels: 30 kg

A value of 25 kg/5 cm for the reinforcing fabric was considered in the values seen above.



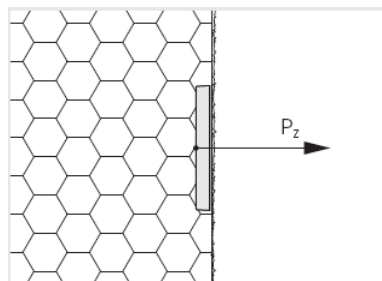
Allowable tensile stress P_Z

on perfectly glued MTH ANELLO mounting plate on

- 15 kg/m EPS insulation panels: 15 kg
- 120 kg/m MW insulation panels: 6 kg

on unglued MTH ANELLO mounting plates on

- 15 kg/m EPS insulation panels: 5 kg
- 120 kg/m MW insulation panels: 4 kg

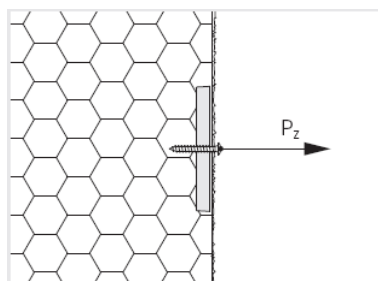


Allowable tensile stress P_Z

on fastening screws/bolts

- Stress per screw: 20 kg

The values decrease for screw diameter of: 4 mm

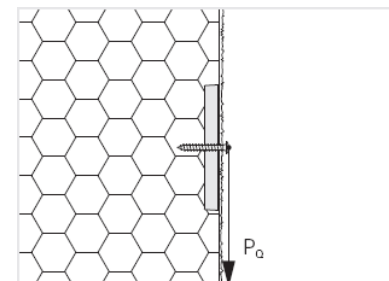


Allowable shear stress P_Q

with intermediate seal for hooking to the base (i.e. plastic or sealant material)

- Stress per screw: 30 kg
- The values decrease with screw diameter of: 4 mm

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MOUNTING

Using the countersinking tool, mill a conical hole in the insulation panel for the MTH ANELLO and clean up the dust when finished.

The surfaces of the panels must have undergone the necessary smoothing steps before installation of the MTH ANELLO mounting plates.



Apply MARCOTHERM COLLA PU onto the circular surface of the MTH ANELLO mounting plate.

If the MTH ANELLO mounting plate will only be subject to shear stress, it does not need to be glued.

Adhesive required for each MTH ANELLO mounting plate:
9 – 12 ml



During countersinking, press the MTH ANELLO until it is flush with the insulation panel.



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FINISHING WORK

Mounting elements from outside sources are mounted on the plaster coat.

It is best if pointed and long screws be used. Metric and self-tapping screws are not recommended.

Find the exact position of the MTH ANELLO mounting plate by tapping on the plaster coat.

The screws can be inserted easier by making a hole in the plate with a punch.

Drilling a starter hole is not necessary.

Screw the object to the MTH ANELLO mounting plate



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