

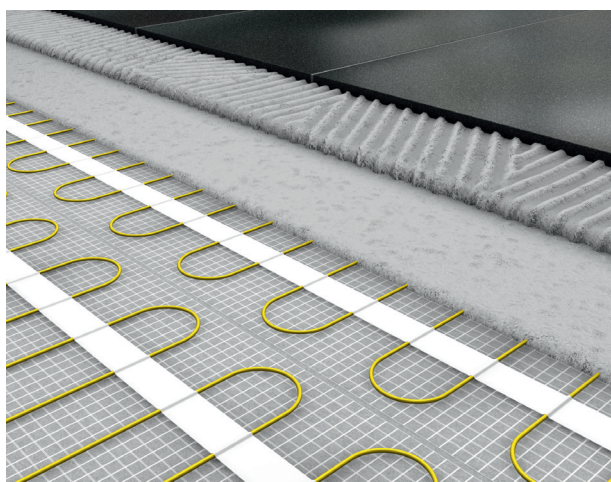


FÜR HANDWERK, DAS ÜBERZEUGT.

TECHNICAL DATA SHEET

BLANKE Elotop⁺

A thin and self-adhesive electronic tile heating system for warm ceramic floors and natural stones by using the thin-bed method for inner areas



Characteristics

- > No electromagnetic pollution
- > Maintenance-free
- > Thin
- > Connection cable
- > Glass mesh self-adhesive
- > Suitable for allergy sufferers

Product description

BLANKE ELOTOP+ is a mat which is directly ready for laying down. The Blanke Elotop is a self-adhesive heater mat which is waterproof and thinlay. It is made from a high-quality two-wire heating system. It is provided for laying down under tiles and naturestone flooring which are installed in a thin-lay method. The heating conductor takes the measure depending on the size of the area from 3,01 - 3,77 +/- 0,1mm. The tile heating can also be used as a full heating as well as an additional heating for ground tempering. It can also be used for partial areas in bathrooms, showers, living- and bedrooms, wellness- as well as office rooms.

Undergrounds

The undergrounds needs to have the following characteristics: be heating isolation, able to take a load and without any high differences. Suitable are Cement- and Calcium sulphate screeds and wood undergrounds with appropriate uncouplingsystems. The flatness have to be ensure before starting with the agglumination. Additional thin-step noise reducing isolation and heating isolation as well as the waterproofing system have to be heat-resistant.

Processing

The heating mat have to be lay down on the prepared Underground with the self-adhesive support netting downwards. Deduct the foile and press it on the Underground. After that you have to fill it up with a layingmortar. Any air pockets have to be avoid. Do not cross the heating conducters and avoid any damage. The temperature sensor have to be layed in a seperate installationpipe in the wall and floor. In doing so the temperature sensor have to be in the middle between two heating conductors below the mat.

Technical dates

Tension:	230 V AC
Benefit mat:	160 W/m ²
Benefit conductor:	maximum 12 W/m
Width of mat:	0,50 m
Measurement conductor:	Ø 3,01 - 3,77 ± 0,1 mm
Bending radius:	minimum 30 mm
Mentioned limit temperature:	+ 80°C
Preventive measure: :	FI - Protective circuit: 30mA
Protection:	10A (B-Characteristic)
Connecting bend:	4,00 m
Proof voltage:	2.000 - 4.000 V
Carrier material:	Glas grid fabric (self adhesive)

Important details:

Only the connecting line (cold conductor) can be reduced and connected. Never reduce or connect the heating conductor. Never putt he heating mat into operation when it is in a roll up state. Before you start the integration and also after laying down you have to check the insulation resistance and resistance value. Please ask an electro specialist to check this two measures. This is mentioned on the warranty card and the measures have to be registered in the report. The installation of the witch box in bathrooms or in moisty rooms may only be installed outside the save area 2 according to VDE 0100. Heating description (construction, installation plan, etc.) to be handed out to the user. Cold conductor and temperature sensor not to be in the same empty conduit. Protection braid of the connect line should be connect to the ground loop. In case of parallel connecting heatingmats the total stream should not be higher then the stream for which the temperatur sensor is suitable. (look at the type label sensor). The connecting should only be done through an eletcri specialist! A crossing of the heating lines through surface expansion joints is not permitted.

Caution The correct and successful use of our products is outside our control. Consequently the quality of our products can only be guaranteed within the scope our sales and delivery conditions, but cannot be assumed for the successful processing. With the publication of this data sheet all previous technical information on this product becomes invalid. Subject to changes resulting from technical progress. Information from our employees above and beyond the scope of this data sheet require their written confirmation.

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