



DURABASE CI-H

Decoupling and carrier mat for accommodating loose wire electric heating cables from 2 to 4.5 mm. For floors with ceramic or natural stone coverings in indoor areas



TECHNICAL DIMENSIONS AND PRODUCT VARIANTS

Material	[Polyethylene]
Colour	yellow
Length	1 m, 2.5 m, 7.5 m, 5 m, 15 m
Width mm	100 cm
Surface area (sqm)	1 m ² , 2.5 m ² , 5 m ² , 7.5 m ² , 15 m ² , 40 m ² , 75 m ² , 80 m ² , 90 m ² , 135 m ²
Strength mm	6

PRODUCT VARIANTS

Ident	Colour	Length
CI-H 1/1	yellow	1 m
CI-H 1/40	yellow	1 m
CI-H 2,5/1	yellow	2.5 m
CI-H 2,5/32	yellow	2.5 m
CI-H 5/1	yellow	5 m
CI-H 5/15	yellow	5 m
CI-H 7,5/1	yellow	7.5 m
CI-H 7,5/12	yellow	7.5 m
CI-H 15/1	yellow	15 m
CI-H 15/9	yellow	15 m

Data sheet Accessories

Weight: 700 g/m

Tube joint tapes

Weight of non-woven fabric: 70 g/m²

Working temperature range: between -40°C and + 80° C

Rounded, square-shaped reliefs: 1024/m²

Compressive strength: 60 t/m²

Breaking load in longitudinal direction: 620 N/50 mm.

Breaking load in transverse direction: 550 N/50 mm

Elongation at break in longitudinal direction: 50%

Please note: For technical reasons, tolerances in color effects of the materials and print are possible. All information is based on the best of our knowledge and belief. No guarantee can be derived from this. We reserve the right to any technical changes if they are in the interest of progress or if they are production-related.



Elongation at break in transverse direction: 50%
Crack bridging ability: ≥ 1 mm
Air volume for vapour management: ± 2.2 L/m²
Cable thickness diameter: 2 to 4.5 mm
Shelf life: 2 years in a dry environment; avoid direct contact with sunlight and heat sources

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MATERIAL

Polyethylene (PE)

PROCESSING

The substrate must be stable and level. Any levelling work must be carried out before laying the CI-H.

1. Cut the DURABASE CI-H strips to size. Make sure that the mat is laid edge to edge and that there is a free edge joint (formed with an edge insulation strip) of at least 5–10 mm all the way around.

2. Prime the prepared substrate accordingly.

Apply suitable tile adhesive to the substrate using a 6 x 6 mm notched trowel.

3. Embed the cut-to-size strips with the backing fleece facing downwards into the adhesive over the entire surface and press in with a pressure roller or similar. It is not possible to lay the mat loosely.

Once the tile adhesive has dried, insert the heating wires in accordance with the manufacturer's instructions. The temperature sensor must also be inserted at this point. Then carefully fill the studs at the mat joints with tile adhesive, apply a notched trowel and fix the mat joints with DURABASE tube joint tape.

4. Without allowing any further drying time, apply tile adhesive using a notched trowel suitable for the tile size and lay the tiles professionally using the buttering-floating method. There must be no tile adhesive in the edge and connection joints!

NOTE: The generally accepted rules of technology must be observed. Suitability with regard to mechanical and chemical resistance must always be checked in individual cases.

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