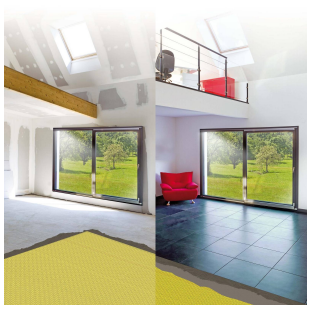
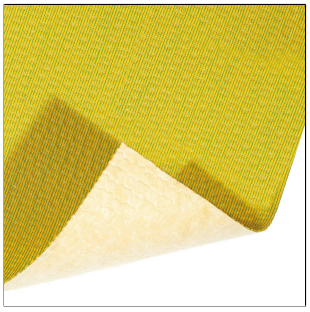
DURABASE CI++

Decoupling mat for laying tiles, slabs and natural stone on problematic substrates

TECHNICAL DIMENSIONS AND PRODUCT VARIANTS

Material	[Polyethylene]
Colour	yellow
Length	5 m, 10 m, 30 m
Height	4
Width mm	100 cm
Surface area (sqm)	5 m², 10 m², 30 m², 120 m², 160 m², 180 m²
Strength mm	4

PRODUCT VARIANTS

Ident	Height	Colour	Length
CI++ 5/1	4	yellow	5 m
CI++ 5/24	4	yellow	5 m
CI++ 5/1 (PE)	4	yellow	5 m
CI++ 5/24 (PE)	4	yellow	5 m
CI++ 10/1	4	yellow	10 m
CI++ 10/16	4	yellow	10 m
CI++ 10/1 (PE)	4	yellow	10 m
CI++ 10/16 (PE)	4	yellow	10 m
CI++ 30/1	4	yellow	30 m
CI++ 30/6	4	yellow	30 m
CI++ 30/1 (PE)	4	yellow	30 m
CI++ 30/6 (PE)	4	yellow	30 m
BM CI 10 (PE)	4	yellow	

Data sheet Accessories

Installation temperature 5° to 35° C (observe tile adhesive specifications)

Storage temperature max. 45°C (store max. 2 pallets on top of each other)

Tube joint tapes

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.

Softening temperature 120°C
Water vapour resistance 160 m equivalent air layer
Filling volume of the studs 1.2 litres/m²
Distance between studs approx. 21 mm ± 10%
High adhesive tensile strength (average value) 0.4 N/mm2
Crack bridging 0.83 mm (with an applied force of 7 kN)
Point load on centre of tile: 11317 N (at a distance of 0.57 mm)
Max. deflection (clear width 660 mm) Concave: 12.3 mm (applied force 11.41 kN)
Convex: 3.3 mm (applied force 2.4 kN)
Results of dynamic tests (clear width 660 mm) 400,000 cycles at 1.8 mm without damage
Minimum screed thickness according to DIN (deviations only with DURAL approval)
Mat installation from when screed is walkable
Suitable for underfloor heating
Certificates
Test report no. 2.1/13821/1055.01-2022 - KIWA GmbH
Technical approval 13/16-1317_V2
Shelf life: 2 years in a dry environment; avoid direct contact with sunlight and heat sources

PROPERTIES

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MATERIAL

Polyethylene (PE)

PROCESSING

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The generally recognised rules of good tiling practice must always be observed!
The following applies to all products/materials: Usability in terms of mechanical and chemical loadsshould be carefully checked in each case before installing the mat.

1. The substrate must be load-bearing and level. Levelling measures must be taken before installing CI++.
2. Cut the DURABASE CI++ mat to size. Make sure that the mat is laid edge to edge and that the perimeter is left open (formed with a 10 mm joint).
3. Prime the prepared substrate accordingly. Apply suitable tile adhesive to the substrate using a 4 x 4 mm or 6 x 6 mm notched trowel.
5. Embed the cut-to-size strips with the backing fleece facing downwards into the adhesive overthe entire surface and press down with a pressure roller or similar. It is not possible to lay the mat loosely. Then carefully fill the studs at the mat joints with tile adhesive, apply a notched trowel and fix the mat joints with DURABASE sealing joint tape.
6. After the drying time, apply tile adhesive with 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 perimeter and connecting joints!

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