

Soudabond MT

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Technical Data

Base:	Styrene acrylic
Consistency:	Paste
Curing system:	Physical curing
Density:	Ca. 1,80 kg/L
Open time:	Ca. 20 min
Drying time*: grouting	Min. 24 h
Drying time*: full curing	Ca. 7 days
Application temperature:	from +5°C to +30°C
Temperature resistance:	from -5°C to +70°C
Consumption:	1 - 3 kg/m ²

Product description

Soudabond MT is a ready-to-use, waterproof and flexible adhesive paste. Soudabond MT is being used for bonding of Soudafoil ME for waterproof and flexible bonding of floor and wall tiles (CE approved D2TE according to EN 12004). The adhesive has a high initial tack and can be used on slightly moist substrates.

Properties

- Ready to use
- Good initial bonding, no sagging
- Can be used on moist substrates
- Good temperature resistance
- Suitable for floor heating
- Suitable for natural stone
- Moisture and water resistant
- Class D2TE according to EN 12004
- Long open time

Applications

- Bonding of Soudafoil ME at rising damp: *First remove the plaster and check if the surface is free of salts. If necessary, neutralize and block the salts with Soudablock Saltex or Soudablock Sulfex. Afterwards drill holes and apply Soudaclear Injectogel. After the injection, fill up the remaining holes with Soudaplug ST (waterproof fast cement). After these preparations, apply a thin layer of Soudabond MT directly on the surface, make sure to apply sufficient adhesive so the foil can be pushed in with a rounded trowel. Prevent air from being trapped between the foil and the adhesive/surface.*

- Bonding of Soudafoil ME as waterproofing membrane for bathrooms and showers: *Make sure the surface is as smooth as possible. Spread out Soudabond MT evenly onto the surface and apply Soudafoil ME with a rounded trowel. Make sure to not enclose air between the membrane and the surface. With multiple strips, create a 10 cm overlap or apply next to each other and protect the transitions with Soudatape ST and a small layer of Soudagum LM.*
- Waterproof and flexible bonding of ceramic tiles, faience, mosaic tiles, stone strips and natural stone. As the adhesive meets class EN 12004 D2TE it is perfectly suited for applications in humid environments such as bathrooms, kitchens, showers and other humid rooms.
Maximum tile sizes:
On porous substrates:
 - Floor tile 30 x 30 cm
 - Wall tile 30 x 60 cmOn Soudagum LM:
 - Ceramic tiles up to 20 x 20 cm
 - Porcelain tiles up to 20 x 20 cm

Packaging

Color: Off-white

Packaging: 1,5kg, 5kg and 15 kg buckets

Storage/ Shelf Life

Store the product in a dry and well ventilated place, clear of the ground and in unopened packaging at temperatures between +5°C and +30°C. Protect

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from damage, moisture, freezing and direct sunlight, also during transport.
Shelf life is 18 months.

Substrates

Substrates: Smooth surfaces like plaster, concrete, cement fiber-cement panels, concrete elements, wood and wood derivatives

Nature: flat, clean, firm, dry, free of dust, rust, grease and oil.

Surface preparation: Plaster, concrete elements, cement fiber-cement panels:

- New plaster (chalk) and cement based surfaces need to be fully dry and cured (min. 30 days at 24°C)
- Maximum allowed moisture content is 5%.

Remove dirt and loose or peeling material with the correct product.

Always use the correct product for filling cracks and imperfections, follow the producer's instructions. Leave to dry before finishing. On highly absorbent surfaces, we advise to prime with Soudaprim DP. Leave to dry for at least 2h.

Cement based floors (screed, self-levelling compound):

The surface needs to be dry and cured (at least 1 week/cm thickness at 24°C). Maximum allowed moisture content is 5%. In a renovation, old adhesive residues need to be removed. The surface needs to be flat. If there is a height difference of 2mm on a length of 2m, we advise to use a self levelling compound before applying the adhesive.

Wood and wood derivatives:

The moisture content of the wood should be between 7-11%. Remove all dust, loose and peeling materials with the correct product. Use the correct product for filling of cracks and imperfections, follow the producer's instructions. Leave to dry before finishing.

On painted walls, sand and clean the surface very good.

On other surfaces we recommend a preliminary adhesion test.

Application method

To apply Soudafoil ME on a flat surface, Soudabond MT has to be applied with a flat spatula. The adhesive layer can cover small height differences in the surface. Insert the Soudafoil ME in the adhesive with a rounded spatula. Prevent air from being trapped under the Soudafoil ME to divide the force well.

Applying tiles with Soudabond MT, use a serrated spatula.

- Spatula C1 (4x4x4mm), for bonding of normal ceramic tiles up to 35x50 cm ($\pm 1,5$ kg/m²)
- Spatula C2 (6x6x6mm), for bonding on very irregular surfaces or on tiles with a strong structured backing (2- 3 kg/m²)
- Spatula C3 (3x3x3mm), for bonding of mosaic tiles up to 5x5 cm and floortiles up to 30x30cm (± 1 kg/m²)

Don't apply more adhesive than can be covered with tiles in 20 mins with tiles. Slide the tiles into the adhesive and batten them with a rubber hammer. At least 80% of the tile backing needs to be covered with the adhesive. Corrections can be made within 40 minutes.

In case of a tile-on-tile bonding, the curing speed depends on the porosity of the backing of the tile and the surface. The drying time depends on the size of the tiles and on the width of the joints. A primer might be needed to ensure a good bond on the glazing of the tiles.

Wait at least a few days before filling the joints. The larger the tiles, the longer the curing time.

Health & safety

General instructions for working with chemicals should be observed.

We recommend wearing protective clothing, gloves and goggles.

Wash eventual splashes to skin and eyes immediately with clean water. During work, do not drink, eat or smoke. In the case of allergic reactions, seek medical advice.

Consult the Material Safety Data Sheet for more details.

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CE Marking according to EN 12004, D2TE

Tests	Results	Threshold value
Initial shear strength EN 1324 §7.2	1,9 N/mm ²	≥ 1 N/mm ²
Adhesion after ageing under warmth EN 1324 §7.4	3,4 N/mm ²	≥ 1 N/mm ²
Adhesion after ageing under water EN 1324 §7.3	0,6 N/mm ²	≥ 0,5 N/mm ²
Adhesion after ageing under higher temperature EN 1324 §7.5	1,5 N/mm ²	≥ 1 N/mm ²
Open time EN 1346 – 20 min	0,7 N/mm ²	≥ 0,5 N/mm ²
Open time EN 1346 – 30 min	0,6 N/mm ²	≥ 0,5 N/mm ²
Slide resistance EN 1308	0,3 mm	≤ 0,5 mm

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