

Soudagum LM

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Technical data

Base	Acrylic
Consistency	Paste
Density	1.48 kg/L \pm 5%.
Drying time	Ca. 4 hrs.
pH	8 – 9.5
Dry matter content	80%
Brookfield viscosity	80.000 \pm 5.000
Relative elongation	> 100%
Permeability under 1.000 mm water column	No leakage after 24 hrs.
Application temperature	from +5°C to +35°C
Waiting time before tiling	12 hrs.
Temperature resistance**	from -5°C to +75°C
Consumption*	2,9 kg/m ² for two layers

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. ** This information relates to fully cured product.

Product description

Soudagum LM is a fast-drying, ready-to-use, solvent-free polymer dispersion developed for waterproofing bathrooms and showers.

Properties

- Ready-to-use paste.
- Permanently elastic.
- Alkali resistant. Resistant to lime water.
- Solvent free. Environmentally friendly.
- 1 coat dries within approx. 4 hours.
- Can be applied both vertically and horizontally.
- Tile adhesives adhere well to the surface of this membrane.

Applications

- Soudagum LM forms a flexible and resistant membrane for waterproofing floors and walls of wet areas with temporary water loads.
- Suitable for indoor applications, under tiles or other finishes.

Packaging

Colour: white

Packaging: 1,3 kg, 4 kg, 14 kg and 22kg

Shelf life

At least 12 months in original closed packaging stored in a dry place at +5°C to +30°C. Protect from damage, moisture, frost and direct sunlight, including during transport.

Substrates

Substrates: All common building substrates. Concrete, cement plasters, drywall, cement-lime plasters, brick, OSB-boards, etc.

Nature: Flat, load-bearing, clean, dry or slightly damp, dust, grease and rust free.

Surface preparation: Prime porous substrates with Soudagum LM primer or with Soudaprim DP. Then wait 2 hours for it to dry.

Remark: This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. In every case it is recommended to carry out preliminary experiments. Soudal reserves the right to modify products without prior notice.

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Application method

Method of application: Stir well before use. Soudagum LM can be applied with a brush, spatula or plaster trowel. It is also possible to apply it with suitable spraying equipment. Soudagum LM should be applied in 2 layers with a total thickness of at least 1mm. An even and continuous membrane must be formed. Wait until the first layer is dry before applying the second crosswise over the first. This can take 3 to 4 hours depending on the substrate and ambient temperature. Make sure there are no holes in the membrane due to irregularities in the substrate. Soudatape ST, IC, OC and PD should be used in combination with Soudagum LM to seal corners and drains and to ensure the continuity of the membrane. See separate technical data sheets and application guide "Waterproof Shower". Waiting time for bonding the tiles/cladding: 12 hours.

Cleaning: Tools and surfaces can be cleaned with water or Soudal Swipex. After curing, only mechanically removable.

Repair possibility: With the same product.

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult label and material safety data sheet for more information.

Remarks

- Do not apply if temperature is below +5°C or above +35°C.
- Fully dry at 1 mm thickness and 23°C: 4 hours.
- Fully dry at 1 mm thickness and 5°C: 12 hours.
- Waiting time for bonding the tiles/cladding: 12 hours.
- In the case of a floor, it is recommended to create a sloping end to avoid the formation of standing water.
- Do not apply over expansion joints.
- The surfaces must not be subjected to constant immersion or exposed to rising damp.
- The membrane should always be finished with tiles or other finishes.
- Permanent sealing in combination with suitable Soudal waterproofing tapes.

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CE Mark according to EN 14891:2017

Description	Norm	Performance
Initial tensile adhesion strength	EN14891- A.6.2	≥ 0,5 MPa
Tensile adhesion strength after water contact	EN14891- A.6.4	≥ 0,5 MPa
Tensile adhesion strength after heat ageing	EN14891- A.6.5	≥ 0,5 MPa
Tensile adhesion strength after freeze-thaw-cycles	EN14891- A.6.6	≥ 0,5 MPa
Tensile adhesion strength after contact with lime water	EN14891- A.6.9	≥ 0,5 MPa
Waterproofing	EN14891- A.7	Geen indringing.
Crack bridging ability under standard conditions (23°C)	EN14891- A.8.2	≥ 0,75 MPA
Crack bridging ability at low temperature (-5°C)	EN14891- A.8.2	≥ 0,75 MPA

* Testconditions:

Number of layers:	2
Drying time of a single layer:	4 hrs.
Total membrane thickness:	1,5 mm
Relative humidity:	50% ± 5
Temperature at aging under heat:	70°C ± 2
Air flow rate:	0,2 m/s
Freeze-thaw temperatures:	-15°C ± 3 → +20°C ± 3

Tested according to AS/NZS 4858:2004, AS 3558.1 and ASTM E96.

Description	Norm	Result
Elongation at break, heat ageing @ 50°C	AS/NZS 4654.1:2012	Passed
Elongation at break, water immersion	AS4858:2004	Passed
Elongation at break, bleach immersion	AS4858:2004	Passed
Elongation at break, detergent immersion	AS4858:2004	Passed
Resistance to cyclic movement	AS4858:2004	Passed
Water absorption	AS3558.1-1999	Passed
Water vapor transmission of materials	ASTM E96	Passed

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