

## Soudagum LM

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### Technical Data

Base	Acrylic membrane
Consistency	Paste
Density	1.48 kg/L $\pm$ 5%
Drying time (*)	Ca. 4 h
pH	8-9.5
Dry solids content	80%
Brookfield viscosity:	85.000 $\pm$ 5.000
Relative elongation	> 100%
Permeability with 1.000 mm high water column	no leaks within 24 hours
Minimum film forming temperature	+5°C
Application temperature range	from +5°C to +35°C
Waiting time before applying the tiles	12 hours
Service temperature range	from -5°C to +75°C
Consumption	1 - 1.48 kg/m <sup>2</sup> for each layer, 2 - 2,96 kg/m <sup>2</sup> in total

(\*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

### Product description

Soudagum LM is a fast-drying, ready to use, solvent free polymer dispersion for bathrooms and showers, over concrete, cement renders, gypsum boards ... under different kind of tiles.

### Field of application

Flexible and resistant membrane for the waterproofing of indoor floor and wall surfaces of wet rooms with temporary standing water, which will be covered by tiles. The surfaces should not be subject to constant immersion or rising damp. Possible applications are in bathrooms, shower cubicles, kitchens, laundry rooms, etc... Always to be applied before the installation of tiles.

### Properties

- Soudagum LM comes 'ready to use'. Just stir thoroughly before use.
- Fast application. Dry up to 4 hrs. (1 layer)
- Thixotropic dispersion for inside use, allows both vertical and horizontal applications.
- Can be applied on all kind of construction surfaces: concrete, cement renders, gypsum boards, cement lime plasters, tiles, bricks, OSB panels etc...
- Not sticky, withstands light pedestrian traffic.
- Tile adhesives bond well to the membrane surface.

- Permanent sealing in combination with the appropriate Soudal waterproof tape.
- Permanently elastic.
- Temperature stable.
- Alkali resistant. Resistant to lime water.
- Salt and acid resistant. Resistant to water containing chlorides and normal household detergents.
- Solvent-free. Environmentally friendly.

### Packaging

Colour: white

Packaging: 1,3 kg, 4 kg, 13 kg and 22 kg

### Application

#### 1. Substrate preparation

- Substrates must be solid, clean, dry and free of dust and grease.
- Remove old paint and any other material that can compromise adhesion.
- Substrates which are should be primed with Soudaprim DP. Wait 2 hours after priming before applying Soudagum LM.

#### 2. Mixing

- Soudagum LM comes 'ready to use'. Just stir thoroughly before use.

#### 3. Application

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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- Soudagum LM can be applied by brush or low pressure spraying.
- Application temperature between +5°C and +35°C.
- Soudagum LM should be applied in 2 coats with a total thickness of at least 1mm.
- A continuous flexible membrane should be formed.
- Wait until the first layer is dry to apply the second layer crosswise.
- Make sure there are no gaps in the membrane due to imperfections in the substrate.
- It is recommended to use Soudatape ST, IC, OC and PD in combination with Soudagum LM, in order to seal the angles, corners and drains and to create continuity in the membrane. See separate technical data sheets.

#### 4. Curing

- Completely dry at 1 mm thickness and 23°C: 4 hours
- Completely dry at 1 mm thickness and 5°C: 12 hours
- Waiting time before applying tile adhesives: 12 hours

#### 5. Cleaning and Maintenance

- Mixing and application tools should be cleaned immediately with clean water.

- Remove hardened material in a mechanical way.

#### 6. Additional Information

- On the floor, it is recommended to create slopes in order to avoid the formation of puddles of water.
- Do not put Soudagum LM over movement joints.

#### 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 from damage, moisture, freezing and direct sunlight, also during transport.

Shelf life is 12 months.

#### 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.

See Material Safety Data Sheet

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**CE Marking according to EN 14891:2017**

Description	Norm	Threshold value
Initial adhesion	EN14891- A.6.2	≥ 0,5 MPa
Adhesion after contact with water	EN14891- A.6.4	≥ 0,5 MPa
Adhesion after heat ageing	EN14891- A.6.5	≥ 0,5 MPa
Adhesion after freeze-thaw cycles	EN14891- A.6.6	≥ 0,5 MPa
Adhesion after contact with lime water	EN14891- A.6.9	≥ 0,5 MPa
Water tightness 3 days after application	EN14891- A.7	No penetration
Crack bridging ability	EN14891- A.8.2	≥ 0,75 mm without reinforcement

\* Test conditions:

Number of layers:	2
Drying time of a single layer:	4 hours
Total thickness of membrane:	1,5 mm
Relative humidity:	50% ± 5
Heat ageing temperature:	70°C ± 2
Air flow rate:	0,2 m/s
Freeze-thaw temperatures:	-15°C ± 3 → +20°C ± 3

**Complies 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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