
SOUDAGUM LM

Revision : 28/08/2014**Pagina 1 of 3****Product**

. Liquid waterproofing membrane. For bathrooms and showers, over concrete, cement renders, gypsum boards ... under 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 ceramic 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 ceramic tiles.

Advantages

- Soudagum LM comes 'ready to use'. Just stir thoroughly before use.
- Fast application. Dry up to 4 hrs.
- Thixotropic dispersion for inside use, allows both vertical and horizontal applications. Under ceramic tiles.
- Can be applied on all kind of construction surfaces: concrete, cement renders, gypsum boards, cement lime plasters, tiles, bricks, OSB panels etc...
- First apply Soudaprim DP primer
- Not sticky, withstands light pedestrian traffic.
- Cover may be installed after 12 hours.
- Tile adhesives bond well to the membrane surface.
- Permanent sealing in combination with the appropriate Soudal waterproof tape.
- Permanently elastic.
- Temperature stable.
- Excellent elongation withstanding normal expansion and contraction of temperature variations.
- No reinforcement required except in angles, corners and perforations.
- Alkali resistant. Resistant to lime water.
- Salt and acid resistant. Resistant to water containing chlorides and normal household detergents.
- Solvent-free. Environmentally friendly.

Description

Soudagum LM is a polymer dispersion with mineral fillers, a plasticizer, a flow controlling agent and preservation additives. It is a fast-drying, ready to use, solvent free, thixotropic paste. Once applied on a level surface and cured, it will turn into a flexible membrane for waterproofing internal surfaces.

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 absorbent 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

- Soudagum LM can be applied by brush or low pressure spraying.
- Do not apply when temperature is below +5°C or above +35°C.
- Soudagum LM should be applied in 2 coats of maximum 1 mm.
- The final thickness of Soudagum LM must be at least 1 mm, in order to form a continuous flexible membrane..
- Wait until the first coat is dry before applying the second one crosswise.
- Waiting time between first and second coat: appr. 3 - 4 hours.
- 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 a continuity in the membrane. See separate technical data sheets.
- Soudatape ST, IC, OC and PD must be completely embedded in the Soudagum LM.

4. Curing

- Completely dry at 1 mm thickness and 23°C: 4 hours
- Completely dry at 1 mm thickness and 5°C: 12 hours

Soudagum LM

Revision : 28/08/2014**Pagina 2 of 3**

- 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 apply over frozen and hot surfaces.

- Do not apply on damp surfaces or on substrates which are subject to rising damp.
- Do not use on surfaces which are continuously immersed, such as swimming pools, water reservoirs etc... In this case, use Soudaproof FX.
- Do not put Soudagum LM over movement joints.
- Protect Soudagum LM, as soon as possible after the material has dried out, against abrasive foot trafficking during installation of ceramic tiles or natural stone.

Technical Data

| | |
|--|--|
| Consistency: | Homogenous thick liquid - paste. |
| Volumetric density: | 1.40 kg/L \pm 5%. |
| Drying time: | appr. 4 hrs dep. on ambient and surface temperatures, relative humidity and thickness of coating |
| pH: | 8–9.5 |
| Dry solids content: | 80% |
| Brookfield viscosity: | 85.000 \pm 5.000 (ISO 2555) |
| Relative elongation | > 100% |
| Permeability with 1.000 mm high water column | no leaks within 24 hours |
| Permeable to water vapour | 2.2 g/m ² x 24h |
| 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 +100°C |

SOUDAGUM LM**Revision : 28/08/2014****Pagina 3 of 3**

Values from ITT*

| Description | Norm | Treshold value | ITT Results |
|---|----------------|--------------------------------------|-------------------|
| Initial adhesion | EN14891- A.6.2 | $\geq 0,5$ MPa | $1,3 \pm 0,2$ MPa |
| Water tightness 3 days after application | EN14891- A.7 | No penetration | No penetration, |
| Crack bridging ability | EN14891- A.8.2 | $\geq 0,75$ mm without reinforcement | $0,9 \pm 0,2$ mm |
| Adhesion after heat ageing | EN14891- A.6.5 | $\geq 0,5$ MPa | $1,2 \pm 0,2$ MPa |
| Adhesion after contact with water | EN14891- A.6.4 | $\geq 0,5$ MPa | $0,6 \pm 0,1$ MPa |
| Adhesion after contact with lime water | EN14891- A.6.9 | $\geq 0,5$ MPa | $0,9 \pm 0,2$ MPa |
| Adhesion after freeze-thaw cycles | EN14891- A.6.6 | $\geq 0,5$ MPa | $0,5 \pm 0,1$ MPa |
| Adhesion after contact with chlorinated water | EN14891- A.6.8 | $\geq 0,5$ MPa | $0,7 \pm 0,1$ MPa |

* Test conditions:

| | |
|--------------------------------|---|
| Number of layers: | 2 |
| Drying time of a single layer: | 4 hours |
| Total thickness of membrane: | 1,5 mm |
| Relative humidity: | $50\% \pm 5$ |
| Heat ageing temperature: | $70^{\circ}\text{C} \pm 2$ |
| Air flow rate: | 0,2 m/s |
| Freeze-thaw temperatures: | $-15^{\circ}\text{C} \pm 3 \rightarrow +15^{\circ}\text{C} \pm 3$ |

Appearance

White thixotropic paste.

Consumption2 layers of 1 - 1.3 kg/m². 2 - 2,6 kg/m² in total.**Packaging**

1,3 kg, 4 kg and 13 kg
1 Europallet contains 56 boxes of 6 cans of 1,3 kg,
30 boxes of 4 pails of 4 kg or 33 pails of 13 kg.

Accessories:

To be purchased separately
Soudatape ST, IC, OC and PD

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

Soudagum LM is not classified according to current
regulations.

However, general instructions for working with
chemicals should be observed.

We recommend to wear 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

CE Marking according to EN 14891

Note: the information and recommendations provided in this technical data sheet is given in good faith and based on laboratory test and on the job experience of the manufacturer. In practice, site conditions and substrates might be such that the manufacturer cannot warrant the fitness for each individual purpose. The user of the product must test the product for it's intended use and ascertain himself that the product will work under the specific conditions of the jobsite. The manufacturer does not accept any liability based on the content of the technical data sheet. The user must verify that he holds the latest version of the technical data sheet. The manufacturer reserves the right to change the properties of the product. Products must be properly stored, handled and applied in line with manufacturer's recommendations.