



SEMPU BP 1K

SINGLE COMPONENT BITUMEN MODIFIED POLYURETHANE LIQUID MEMBRANE

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DATE: 05.10.2022

REV. TAR.: 01.01.2025 REV:02

1 DESCRIPTION

SEMPU BP 1K is single component bitumen modified polyurethane based liquid membrane. It forms a highly elastic film by adhering strongly to almost all types of surfaces.

3 USES

- Basements
- Foundations
- Roofs
- Green roofs and flower pots.

Gypsum and cement panels

Wet areas like bathrooms,kitchens.

Undertile applicaiton of Roofs, terraces, balconies

2 ADVANTAGES

- Fast curing,
- Never gives bubbles even it is applied thick layer.
- Excellent mechanical properties; high elongation ability, tensile, tear and abrasion resistance.
- Preserves its mechanical properties between -40°C and +90°C.
- It is permeable to water vapor. Having a breathable structure is does not cause accumulation in the substrate.
- When the material is damaged, it can be repaired easily and quickly with SEMSOL TN 100

4 CONSUMPTION

Minimum total consumption: 1,6 kg/m²

5 PACKAGING

5 and 25 Kg in metal buckets.

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7 TECHNICAL SPECIFICATIONS

QUALIFICATIONS	FEATURES	METHODS
Color	Brown	-
Density	1,35±0,05 g/cm ³	ASTM D1475 / DIN 53217 / ISO 2811, 20°C
Shore	35 Shore A	ASTM D2240 / DIN 53505 / ISO R868
Viscosity	2500-3500 cP	ASTM D 2196-86 / EN ISO 3219 (+25°C)
Adhesion to Concrete	2,0-2,5 (N/mm ²)	ASTM D4541
Elongation At Break	%600-800	ASTM D412 / EN-ISO-527-3
Tack Free Time	8-10 hours	-
Recoat Time	10-24 hours	-
Tack Free Time	7 days	-

* Viscosity measured at + 25°C according to EN ISO 3219 standards. Viscosity increases inversely with temperature.

7 APPLICATION PROCEDURE

Surface Preparation & Concrete Standards

Strength: C20/25.

Humidity: W ≤ 5%.

Temperature: 5-35 oC.

Relative humidity: < 85

The substrate must be clean, dry and free of all contamination such as dirt, oil, grease, and coatings etc. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum

Priming

- For porous substrates: **SEMPU PRIMER 1K, SEMPOXY PRIMER WB and SEMPU PRIMER 2K**
- Metal or non porous surfaces: **SEMPOXY PRIMER 1100**

Application

The mixture should be applied by brush, roller or airless spray covering all surface properly.

8 SHELF LIFE AND STORAGE

Can be kept for minimum 12 months in the original unopened pails in dry places and at temperatures of 5-25 oC. Once a pail has been opened, use as soon as possible.

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9 PRECUATIONS

Flammable and explosion products should be kept away during the application. Protective gloves and masks should be used for hands and eyes during application. The product should be used in well ventilated environments. If the material comes into contact with eyes, it should be washed immediately with sufficient water. Children should be kept away from the product. For more detailed information, ask for the Safety Data Sheet (MSDS).

FOTO GELECEK

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