



SEMPU BP 2K

**TWO COMPONENT BITUMEN MODIFIED POLYURETHANE
LIQUID MEMBRANE**

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1 DESCRIPTION

SEMPU BP 2K is fast curing, two component bitumen modified polyurethane based liquid membrane. It forms a highly elastic film by adhering strongly to almost all types of surfaces. It has high mechanical resistance.

2 ADVANTAGES

- The application will be easier if the mixture is by 1:1.
- 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: 1,8 kg/m².

5 PACKAGING

20+20 in metal buckets.

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

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DATE :05.10.2022

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6 TECHNICAL SPECIFICATIONS

QUALIFICATIONS	FEATURES	METHODS
Color	A comp: Transparent B comp.: Black	-
Density	A comp.: 0,95±0,05 g/cm ³ B comp.: 0,95±0,05 g/cm ³	ASTM D1475 / DIN 53217 / ISO 2811, @ 20°C
Hardness	35 Shore A	ASTM D2240 / DIN 53505 / ISO R868
Viscosity	A comp.: 1500-2000 cP B comp: 4000-4500 cP	ASTM D 2196-86 / EN ISO 3219 (+25°C)
Mixing Ratio (A+B)	1:1 By Weight	-
Solid Content	%85	-
Mixture Pot life (+10°C)	40-50 min.	-
Mixture Pot life (+25°C)	30-35 min.	-
Adhesion to Concrete	1,3-1,6 (N/mm ²)	ASTM D4541
Elongation At Break	>2000 %	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**

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Mixing

Mix the components by 1:1 with a low speed mixer (300 rpm) or manually. Apply the products immediately after mixing, the pot life of mixture is 30-45 minutes at 20 °C.

Application

The mixture should be applied by brush, roller or airless spray covering all surface properly. Rollers should be cleaned with SEMSOL TN 100. Rollers are disposable.

8 STORAGE AND SHELF LIFE

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.

8 PRECAUTIONS

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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ISO LOGO



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