

Teknomer 600 1K Bitumen

One Component, Bitumen-polyurethane Based, Waterproofing Material.



Product Description

TEKNOMER 600 1K Bitumen; one component, bitumen-polyurethane based, high quality, liquid waterproofing material which cures by reacting with the moisture in the air. Because of its high quality, it keeps its elastic structure. It is ready to use.

Areas of Usage

It can be used safely as water protection for;

- Corrosion in terraces, roofs, balconies and creek gutters,
- Wet areas under tiles, flowerpots, foundation and foundation curtain walls,
- Corrosion in concrete structures,
- Exterior parts of the buildings.
- Wooden and sheet metal type applications.

Preliminary testing is recommended.

Features and Benefits

- It is easy to apply (by a roller or a brush or a spray machine)
- It keeps its elasticity even at low temperatures.
- It has high frost resistance
- Excellent adhesion even on difficult surfaces.
- Can be applied seamlessly.
- Keeps its characteristic properties at (-30°C / +70°C)
- It has the feature of creating crack bridge.
- Accumulation is water resistant

Application Instructions

Surface Quality: All Surfaces must be clean, dry, smooth, free from grease, oil, dirt and rust: Old loose coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Possible surface irregularities need to be smoothened. Any loose surface pieces and grinding dust need to be thoroughly removed. Do not wash the surface with water. Damaged surfaces should be repaired with TEKNOREP.

Surface Preparation: If there is dilatation, it is necessary to isolate the dilatation by using Teknomer Chamfer bands and Teknobond 400 D before applying TEKNOMER 600 1K Bitumen. If you postpone it later, isolating the dilatation will cost more and it will be more difficult. All outlets and gutters, strainers should be insulated using chamfer bands.

The surface must be dry. There mustn't be any puddle or ponding, Two component, epoxy based Teknobond 300 should be applied as a primer to the concrete surface with a brush or roller as 0,200-0,400 kg / m². Primer consumption varies according to the quality and absorbency of the concrete. The primer must be completely cured and hardened. For waterproofing application, wait at least 4 hours and maximum 48 hours.

Surface and Ambient Temperature: (+5°C) – (+35°C)

Application Instructions:

Mixing: Pour TEKNOMER 600 1K Bitumen in a clean pail or keep it in its own pail and Stir it well before using it. Minimum time for stirring should be 3 minutes

Equipments and Application Methods: After stirring TEKNOMER 600 1K Bitumen, the product will be ready to be applied. Use a hard bristle brush or a spraying machine to apply it on the surface. When you finish the first layer please wait until it completes its reaction. The second layer has to be applied perpendicular to the first layer. The waiting time between two layers should be minimum 1 hour. Please check if it is dry or not before applying the second layer on the first layer.

As it does not have any UV resistance, It should be protected from direct sun light by using thermal insulating board, geotextile felt, guard plate and so on.

Consumption: Factors like temperature, application method and also the surface porosity might alter consumption. Depending on the factors the consumption is 1,20-1,50 kg/m²

Cleaning: It should be protected from direct sun light, rain, strong wind, snow, frost and also high temperature (+35°C and more) after the application. Hands should be washed before it is hardened.

Cleaning of Equipment: Immediately after application, before hardened, the skin which has contacted with the product should be washed with soap and water. Also the equipment should be cleaned with Tekno Thinner before hardened. After the product is hardened, it should be cleaned by mechanical methods.

Pot Life: Approx 60 min at 20°C

Cleanability Time: Approximately 1 hour at +20°C

Application Notes/ Restrictions

- Foreign material should not be added
- Do not apply under the U.V.
- Should be applied in two layers
- Do not apply under the rain

Technical Data

Colour	Black
Density (kg/l)	1,25±0,04
Solid Content	% 87± 3 ASTM C 1250
Tack Free Time (hours)	+23°C to 16 - 24 hours
Adherence to concrete	> 1 N/mm ² (7 days) DIN 53504
Time between the coats	Min 12 Hours - Max- 24 Hours
Elongation at Break	> 2,0 N /mm ² ASTM D 412
Elongation	> % 500 (7 days) DIN 53504
Shelf Life	12 months from the production date in dry and moisture free ambient. Package should be kept tightly closed when not in use. Packages should be protected against frost
Time for light pedestrian resistance	24 hours
Humidity Tolerance	% 5
Packaging	20 kg

Technical data that is obtained from the test results of TEKNO Construction Chemicals Laboratory studies in +20°C and frost %50 relative air humidity conditions and valid for its performance after 28 days.

