

BETTOSEAL POLYMER MEMBRANE

New Generation Polymer Technology, Single Component, UV Resistant,
Rigid - Flexible, Water Based Aliphatic Membrane

MATERIAL DESCRIPTION

BETTOSEAL POLYMER MEMBRANE is a water-based aliphatic waterproofing membrane produced with polymer technology, with excellent properties in pure form, ready to use, high UV resistance, rigid - flexible structure.

AREAS OF USE

- Indoors and outdoors, in vertical and horizontal applications, from the direction the water comes from,
- Concrete terrace and roof insulation, balcony insulation,
- Exterior north facades of buildings,
- Can be applied on slightly damp surfaces,
- Roofs, timbers and mosque domes,
- Over old bituminous problematic insulation made on a sliding basis,
- Asphalt and concrete floors

TECHNICAL SPECIFICATIONS

ADVANTAGES

- Ready to use, easy to apply, not diluted,
- It has the ability to bridge shrinkage cracks with its flexible and elastomeric structure,
- Freeze-thaw resistance, high resistance to chemicals and corrosion,
- Resistant to aging, water, various salt solutions and weak acids,
- Used in areas affected by movement and vibration,
- High adhesion and elastic film formation,
- High UV and impact resistance, suitable for light foot traffic,
- Economical and long lasting,
- Environmentally friendly, no harm to human health.
- Fills the pores on the applied surfaces and forms a barrier against moisture coming from below,
- Not affected by fungi and bacteria,
- It should not be applied on wet and frozen surfaces and in situations where there is a possibility of precipitation.



BETTOSEAL POLYMER MEMBRANE Color
Density (at +25°C)
Ph value (at +25°C)
Viscosity (25°C, mPa.s)
Application Thickness
Drying Time
Full Drying Time Service
Application Temperature
Temperature
Application Surface Temperature
The surface must not show any danger of frost.

Polymer Based, Water Based Resin white - Gray - Red - Green
1.05 gr/cm3
7.0 - 9.0
9000 - 12000
1.5 - 2 mm
Minimum 5 to 10 hours (between floors)
24 - 48 hours
between +5°C and +35°C
-20 °C to +80 °C
It should be above +5°C.

NOTE: The above values are given for +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures lengthen the time.

SURFACE PREPARATION

BETTOSEAL POLYMER MEMBRANE application surfaces must be free of all loose particles, oil, dust, dirt and paint residues, cement grout. Problematic surfaces in the concrete should be repaired beforehand.

Weak parts of the concrete should be repaired, coatings that do not adhere to the concrete should be removed, the surface should be strong and durable, static cracks in the structure should be repaired with **BETTOCRETE M** repair mortar. If deemed appropriate, it can also be repaired with polyurethane sealant **BETTOLASTIC PUM**.

MIXING

BETTOSEAL POLYMER MEMBRANE is supplied ready to use. Although it is a single component, it still needs to be mixed before application. Make sure that the material temperature is between +10 - +35°C before mixing starts.

APPLICATION METHOD

Before application, the floor should be primed to reduce surface absorbency and **BETTOPRIME G** and **BETTOPRIME 033** should be applied as primer on high gloss surfaces to increase adhesion strength. When priming the floor, the product should be thoroughly absorbed into the floor using a roller or hard brush. Allow the applied primer to dry for 2-3 hours.

After the primer application, **BETTOSEAL POLYMER MEMBRANE** is applied in 2 or 3 coats with 5 to 10 hours intervals.

EXPENDITURE

0.5 - 0.6 kg/m² for first coat application with roller or brush
The second coat is applied with a consumption of 0.5 - 0.6 kg/m².

Standard Concrete Surface
Conditions Hardness R28 =
15Mpa
Humidity W<10
Temperature +5°C to +35°C
Relative Humidity < 85

CLEANING OF INSTRUMENTS

Tools and equipment used after application can be cleaned with water.

PACKAGING

In 5 kg and 18 kg buckets

STORAGE CONDITIONS

It should be stored in its unopened original packaging, in a cool and dry environment at temperatures between + 5C and + 35C, protected from frost. For short-term storage, maximum 3 pallets should be stacked on top of each other and shipment should be made on a first-in, first-out basis. For long term storage, pallets should not be stacked on top of each other.

SHELF LIFE

12 months from the date of production under appropriate storage conditions.

SECURITY MEASURES

During application, work clothes, protective gloves, goggles and masks should be worn in accordance with the Occupational Health and Safety Rules. Due to the irritating effects of uncured materials, the components should not come into contact with the skin and eyes, in case of contact, wash immediately with plenty of water and soap, and in case of ingestion, consult a doctor immediately. Food and beverage materials should not be brought into the application areas. Keep out of the reach of children.



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