

MAROFELAST 2K



DESCRIPTION



MAROFELAST 2K is a water-based, two-component liquid water-proofing membrane that consists of a bitumen emulsion liquid component reinforced with various elastomeric polymer rubber additives that increase elasticity and tensile strength, and a powder component reinforced with cement-based rich natural minerals and various chemicals.

FIELDS OF USAGE



- It is used on all horizontal and vertical surfaces such as concrete, screed and plaster that are exposed to water and moisture.
- It is used in the waterproofing of bases and base-ments of buildings.
- It is used in the waterproofing of terraces, curtain walls and retaining walls, underground parking floors, and under-tile wet areas such as in bathro-oms, kitchens and toilets.
- It is used on all mineral surfaces.
- It is used on old bitumen surfaces.
- It is used in rain streams. It is used in canals and flumes.
- It is used in architectural structures such as hi-ghways, bridges and viaducts.
- It is used with reinforcements such as polyester felt, insulation mesh and fibreglass on cracked surfaces or in insulation applications that need to resist higher pressure water.

NOTE :

Please note that the concrete quality on surfaces that are constantly exposed to pressure water must comply with TS-EN 206. Please consult the technical service of Marof Yapı for application on different floors.

PREPARING THE SURFACE FOR APPLICATION



- The application surface must be fully cleaned off dust, rust, dirt and oil, and loose parts should be scraped.
- Spikes should be rounded, surface should be washed with, if possible, high pressure water and dried until it becomes unsaturated with water. The surface must be protected from frost.
- Open areas such as horizontal and vertical joints, as well as cracks and pits larger than 2 mm., other than the capillary cracks, should be repaired with MAROFELAST SCREED 2K.

- In new constructions, concrete surfaces must gain strength for at least 28 days.
- In order to ensure good adhesion, surfaces should be primed with BITUMEN PRIMER before the application at a consumption amount of 300 - 500 gr/m² depending on the condition of the surface. While applying the primer, due attention should be paid not to cause ponding, and if there is ponding, it should be spread with a brush.
- Surfaces with excessive absorption and dusting behaviour should be primed with POLYASTAR once or twice until the surface hardens. After the surface hardens, it should be primed with one coat of BITUMEN PRIMER at a consumption amount of 300 - 500 gr/m² depending on the condition of the surface.

APPLICATION



- The powder in the package is slowly poured into the liquid in the bucket, and the mixture is mixed with a low-speed mixer for about three or four minutes until there are no lumps or subsidence. After resting it for three minutes, it is mixed for another two minutes.
- It is applied with a bitumen brush, roller, trowel or insulation pump.
- A hand brush is used in delicate areas and cor-ners.
- It dries in about 8-10 hours, depending on weat-her conditions.
- It should be applied at two coats, but the second coat should not be done before the first is com-pletely dry. The second coat should be applied perpendicular to the first coat.
- It should not be applied in rainy weather and temperatures below +5°C.

CONSUMPTION



- For moisture- and damp-proof surfaces: 3 kg/m²
- For surfaces with low water pressure: 4,5 kg/m²
- For surfaces with high water pressure: 5,5 kg/m²
- Recommended usage amount on each coating: 1,5 kg/m²

PACKAGING



30 kg. plastic bucket (22 kg. liquid + 8 kg. powder)

QUALITY STANDARDS



TS EN 1504-2 / TS EN 15814+A2

TECHNICAL SPECIFICATIONS



Content of the Mixture	Liquid component: Elastomeric polymer rubber-modified bitumen emulsion
Powder component	Cement-based mix
Colour	Dark brown when packaged, and black after drying
Consistency	Flowable Viscous
Mixture Density	1,17 - 1,18 gr/cm ³
Application Temperature	+5 °C ile +35 °C
Dry Residue Ratio	65% to 70%
Drying Time	Touching : 2 - 4 hours
Full drying	8 -10 hours
Test	8 days
Rain resistance	48 hours
Elasticity	75-80%
Pot Life	1,5-2 hours
Temperature Resistance	Approximately, 70 °C
Bond Strength	> 1.05 N/mm ²



CAUTION

MAROF YAPI is not responsible for any defects or errors that may arise if the product is used on a surface or for properties other than described above.