

MAROFELAST L - 2K



DESCRIPTION



MAROFELAST L 2K is a water-based, two-component liquid water-proofing membrane that consists of a bitumen emulsion liquid component reinforced with various elastomeric natural latex 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.
- With 180 gr/m² of geotextile felt, it is used in green roof and swimming pool insulation applications.
- It is used in the waterproofing of bases and basements of buildings.
- It is used in terraces, curtain walls and retaining walls, and underground parking floors.
- It is used on all mineral and old bitumen surfaces. It is used in rain streams. It is used in canals and flumes.
- It is used in architectural structures such as highways, 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 3 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 POLYSTAR 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 corners.
- It dries in about 6-8 hours, depending on weather conditions.
- It should be applied at two coats, but the second coat should not be done before the first is completely 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 kg/m²
- For surfaces with high water pressure: 5 kg/m²
- Recommended usage amount on each coating: 1,5 kg/m²

AFTER APPLICATION



- Soil filling should not be done without a protective coating on the base and curtain walls on which MAROFELAST L - 2K has been applied. There should be a drainage system, especially in underground basement floor applications.
- The applied surfaces should be protected against frost for 2-3 days.

- Surfaces exposed to UV rays such as in terraces where MAROFELAST L - 2K is applied should be covered with a suitable screed or coating after the full drying period.

SHELF LIFE AND STORAGE

- Shelf life is at least 12 months under proper storage conditions.
- At the time of stocking and dispatch, the first product that arrives should be used before those that arrive at a later time.
- Store in a dry and cool environment (at temperatures above +5 °C), unopened in its original package.
- Do not leave it in the sun. Protect from frost.
- Do not stack more than three buckets on top of each other.

TOOL CLEANING

- Tools should be washed with plenty of water immediately after use, and after drying, the remaining parts should be cleaned with thinner.

PACKAGING

- 16 kg. plastic bucket (12 kg. liquid + 4 kg. powder)
- 32 kg. plastic bucket (24 kg. liquid + 8 kg. powder)

QUALITY STANDARDS

TS EN 1504-2

TECHNICAL SPECIFICATIONS

Content of the Mixture	Liquid component: Elastomeric polymer latex-modified bitumen emulsion
Powder component	Cement-based mix
Colour	Ambalajındayken koyu kahverengi kuruduktan sonra siyah
Consistency	Flowable Viscous
Mixture Density	1,2 - 1,3 gr/cm ³
Application Temperature	+5 °C ile +35 °C
Dry Residue Ratio	70% - 75%
Drying Time	Touching : 2 - 4 hours
Full drying	6 - 8 hours
Test	8 days
Rain resistance	48 hours
Elasticity	> % 100
Pot Life	1,5-2 hours
Temperature Resistance	Approximately, 70 °C
Bond Strength	> 1,8 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.