

POLYPLAST UV 2K



DESCRIPTION



POLYPLAST UV 2K is a water-based, two-component liquid water-proofing membrane that consists of a resin liquid component reinforced with super plastomeric high UV-resistant polymer and polypropylene fiber additives that increase plasticity 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, plaster, brick, wood and metal that are exposed to water, moisture and UV rays.
- Since it is reinforced with polypropylene fiber, there is no need to use any other reinforcements.
- It is used in the waterproofing of terraces, sides of a structure and roofs.
- It is used on all mineral surfaces exposed to high UV rays.
- It is used in rain streams. It is used in canals and flumes.
- It is used as the final coating in elevator and stair towers.

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.

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.

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 an insulation brush, roller, trowel or insulation pump.
- A hand brush is used in delicate areas and corners.
- The second coat should not be applied before the first coat is completely dry. The second coat should be applied perpendicular to the first coat.
- It dries in about 6-8 hours, depending on weather conditions.
- It should not be applied in rainy weather and temperatures below +5°C.

CONSUMPTION



- For moisture- and damp-proof surfaces: 2 kg/m²
- For surfaces with low water pressure: 3 kg/m²
- For surfaces with high water pressure: 4 kg/m²
- Recommended usage amount on each coating: 1 kg/m²

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 POLYPLAST SCREED UV 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 POLYASTAR before the application at a consumption amount of 300 - 500 gr/m² depending on the condition of the surface. While

AFTER APPLICATION

- The applied surfaces should be protected against frost for 2-3 days.

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.

PACKAGING



- 16 kg. plastic bucket (12 kg. liquid + 4 kg. powder)
- 24 kg. plastic bucket (18 kg. liquid + 6 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 content : Super elastomeric UV-resistant polymer resin-polypropylene fiber
Powder component:	Cement-based mix
Colour	White
Consistency	Flowable Viscous
Mixture Density	1,300 -1,350 gr/cm ³
Application Temperature	+5oC ile +35 °C
Solid Content Ratio of the Mixture	> 62 %
Kuruma Süresi Dokunma	2 saat
Drying Time	6 - 8 hours (each coating)
Test	8 days
Rain resistance	48 hours
Pot Life	1,5-2 hours
Temperature Resistance	Approximately, 90 °C
Bond Strength	> 2.5 N/mm ²
Pull-off Resistance	> 3N/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.