



## DESCRIPTION



MAROFLEX is a waterproofing material based on an anionic bitumen emulsion and obtained by mixing bitumen and water by means of special methods.

## FIELDS OF USAGE



- It is used on all horizontal and vertical absorbent surfaces of buildings such as concrete, precast concrete panel, plaster, brick and wood that are exposed to water and moisture.
- It is used in the waterproofing of terraces, basements, bases and curtain concretes.
- It is used in wet areas under tiles such as in bathrooms, kitchens and toilets.
- It is used in architectural structures such as highways, bridges and viaducts.
- It is used on all mineral surfaces.
- It is used on old bitumen surfaces.
- It is used with reinforcements such as fibreglass and geotextile felts on cracked surfaces or in waterproofing 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 large cracks and pits other than the capillary cracks should be repaired with MAROFE-LAST 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/m<sup>2</sup> 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/m<sup>2</sup> depending on the condition of the surface.

## APPLICATION



- Since it is ready to use, there is no need for any heating or thinning.
- Before use, mix it for a few minutes with a low speed mixer.
- It should be applied with an insulation pump, insulation brush or roller.
- Use a hand brush 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.
- Each coat dries in about 10 to 12 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: 2,5 kg/m<sup>2</sup>
- For surfaces with low water pressure: 4 kg/m<sup>2</sup>
- For surfaces with high water pressure: 5,5 kg/m<sup>2</sup>
- Recommended usage amount on each coating: 1 kg/m<sup>2</sup>

## 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.



## TECHNICAL SPECIFICATIONS

T.S.	113
BASE	Anionic Bitumen Emulsion
THINNER	Water
COLOUR	Dark brown when packaged, and black after drying
CONSISTENCY	Boza-like consistency (Boza: a thick, slightly fermented millet drink)
DENSITY	1,03 gr/cm <sup>3</sup>
SOFTENING TEMPERATURE	+70°C
SUITABLE APPLICATION TEMPERATURE	+5°C ila +35°C arası
SOLID CONTENT RATIO	% 62
DRYING TIME	Touching (1.250 kg/m <sup>2</sup> ) 3 - 4 Hours
	Full drying (1.250 kg/m <sup>2</sup> ) 8 - 10 Hours, Test: 8 Days
	Rain resistance: 24 hours

## PACKAGING



- 5 kg. plastic bucket
- 15 kg. plastic bucket
- 30 kg. plastic bucket
- 200 kg. sheet metal barrel

## QUALITY STANDARDS



- TS 113



## 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.