

Teknoflex

Polymer Modified Bitumen Based, Resistance to Environmental Condition, Waterproofing Material



Product Description Teknoflex is waterproofing material that polymer modified bitumen based, resistance to environmental condition.

Areas of Usage

- Concrete and concrete coated surfaces
- Wood and metal surfaces (Zinc, Iron)
- Aerated Concrete
- Asbestos modified cement plate
- Repairing or fixing of bitumen membrane and Shingle connections
- Insulation of buildings bases against under ground water
- For the application of underground and above ground, on the vertical and horizontal surfaces.

Features and Benefits

- It can be used as repairing or fixing of TEKNOFAST waterproofing material application (please consult to the Tekno Yapı Kimyasalları technical team)
- Teknoflex is suitable underground application,
- Teknoflex does not affect from the microorganisms and harsh underground water
- It has strong adhesion properties to various surfaces that dry, semi dry, absorbent and nonabsorbent
- Teknoflex does not have peeling or swelling affect over time
- Teknoflex can be used in the insulation of radial foundation alone or as a system packet of TEKNOFAST waterproofing material.

Application Method

The surface to be applied TEKNOFLEX can be dry, slightly humid or without water lake. If there are water pressure from negative and efflorescence, the product should not be applied. The surfaces to be applied must be clean, the debris must be repaired.

Teknoflex adhesion performance is sensitive to, calcium carbonate, calcite, oil, rust, that have negative affect on the adhesion performance. In the case of primer must be used, TEKNOFAST waterproofing material can be used as primer to improve adhesion performance, the recommended consumption is 150-200 g/m².

TEKNOFLEX is ready for use, it should not be diluted. The application can be made by brush or roller as 2-3 layer or by squeegee at once, the waiting time between the layer may vary due to the weather condition approximately 12-24 hours. If needed the corner and connection detail can be forced by polyester felt (50 to 75 g/m²). The polyester felt must be laid to the first coat afterwards. After the completion of curtain wall insulation at under ground application, the coated surface must be protected by extruded polystyrene boards, drainage sheet etc.

Application Notes / Restrictions

- In the case of rainy, frost weather condition the application must be postponed,
- During the application process personel protective clothes and protective goggles should be used
- The product is ready for use, it should be avoided to add some materials externally.

Storage Conditions / Shelf Life

TEKNOFLEX container should not be stored under direct sun light and should be protected against frost, the recommended storage temperature is between (+10°C) – (+35°C). Due to the above mentioned condition, the shelf life is 12 months.

Consumption: 3 kg/m²
Packaging: 18 kg. bucket

Technical Data

TEST	METHOD	UNIT	TOLERANCE	RESULT
Water Resistance	TS EN 15817			PAS
Flexibility at Low Temperature (0°C)	TS EN 15813			PAS
Dimensional Stability at high temperature (70 °C)	TS EN 15818			PAS
Resistance to Compression	TS EN 15815	class		C2B
Reduction of layer thickness When fully dried	TS EN 15819	%	≤ 50	35
Reaction to Fire	TS EN 13501-1	class		E
Watertightness	TS EN 15820	class		W2B
Crack Bridging ability	TS EN 15812	class		CB 2
Resistance to Rain	TS EN 15816	class		R2
Density	TS 132	gr/m l	±0,02	1,15
Solid Content	TS 132	%	Min.	60
Viscosity (23 °C)	ASTM D 2196-99	cP		3000-4000
Tensile Strength	ASTM D 412 & EN ISO 527-3	N/mm ²	±0,12	0,5
Elongation	ASTM D 412 & EN ISO 527-3	%		>1500
Application Temperature		0°C		(10)-(35)
Hazardous Materials				Nope

* For the precaution must be taken check the product material safety data sheet.

* the producer has right to modify product specification.

