

PKM-1K

BITUMEN POLYMER RUBBER BASED FLEXIBLE WATERPROOFING MATERIAL



DESCRIPTION

- Single component, plant root resistant bitumen emulsion reinforced with elastomeric polymer resin additive.

INTENDED USES

- On all horizontal and vertical surfaces,
- On garden and terrace roofs of buildings,
- In the insulation of foundations, cellars and basements,
- In the waterproofing of underground garages and structures to be filled with soil,
- Used in closed and wet areas such as bathrooms, kitchens, toilets for the isolation of leaking water.
- Used together with polyester felt, isolation cloth and similar equipment in cracked surfaces or in insulation applications that need to withstand higher pressure water.

PROPERTIES

- It can be easily applied by everyone.
- The alum material obtained by mixing **PKM-1K** with sieved fine sand and some cement can be pulled with a trowel to level the hollow parts of the floor or create a protective layer on the insulation layers.
- It is environmentally friendly as it is water-based.
- Since there is water in the mixture, it provides good adhesion even if the surface is moist.
- It is cold applied. It does not require heating or diluting.
- It prevents the plant roots from damaging the structure.

SURFACE TREATMENT

- Care must be taken that the application surface has cured.
- The application surface must be cleaned from anti-stick materials such as dust, oil, paint, curing material, mould oils and silicone.
- Cracked and hollow areas on the surface must be repaired with **REPAIR SW Waterproof structural repair mortar**, and static cracks must be repaired with plaster containing **LATEX**.
- Active water leakages must be sealed by applying **STOPPER**.
- The vertical corners must be chamfered with **CHAMFER TAPE** accordingly.
- For better adherence of **PKM-1K** to the surface, it should be primed with a single layer application of **BA-100 Bitumen & water based membrane primer**.
- Ensure that the primer is completely dry before application.

TECHNICAL DATA

Appearance	: Dark brown in liquid state, black after drying
Application temperature	: (+5°C) - (+30°C)
Initial drying time	: 1 hours
Drying time	: 5-6 hours
Density	: ~ 1.06 kg/L
Solid substance	: 65%
Time required for soil backfill	: 3 days

- These values are obtained under laboratory conditions ((23±2) °C temperature, 50% relative humidity) and may differ due to worksite conditions.
- **MYFIX YILDIZ YAPI KİMYASALLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ** is not responsible for the application errors that may arise if the application conditions and precautions outlined above are not followed for the purpose of the product.

APPLICATION

- **PKM-1K** must be applied cold.
- Since it is a ready-made material, no dilution should be used.
- It can be applied with a bitumen brush, roller or gun.
- Dries in approximately 5-6 hours depending on the weather conditions.
- Application must not be carried out in rainy weather or at temperatures below +5°C.
- The second layer must not be applied before the first layer dries completely.
- It must be protected against punctures and impacts until covered.

PACKAGING

- 18 kg Plastic bucket

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WARNINGS AND RECOMMENDATIONS

- Since the applied surfaces are not frost and UV resistant, they must be covered within 3 days and protected against external conditions.
- Earth embankment should not be done on foundation wall without protection.
- Water, likely to fill the foundation pit must be drained.
- Do not apply without primer on metal surfaces.
- Not suitable for insulation of drinking water tanks and swimming pools.
- During application, surface must be protected from wind and direct sunlight.
- Do not apply to surfaces that have been exposed to sunlight for too long or that are frozen.
- The indicated consumption amount is general information and may differ due to application conditions and surface features.

COMPLEMENTARY PRODUCT(s):

- REPAIR SW Waterproof structural repair mortar
- STOPPER Active water sealant
- CHAMFER TAPE
- BA-100 Bitumen & Water based membrane primer
- LTX Latex.

SHELF LIFE

- Shelf life of an unopened package stored in a dry, cool place is 12 months from the date of manufacture. Protect from frost.

CONSUMPTION

- 1 kg/m² (each layer)
(at least 2 coats should be applied).

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