TEKNO®
construction chemicals

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Teknopoliderz Two Component

Two Component,
Polyurethane Based Joint Sealant

Product Description

Two component, self leveling, bitumen modified polyurethane based grouting and water insulation mastic.

Areas of Usage

- With suitable primer, on concrete, as surface hardener, on asphalt, natural stone, mosaic and sheet metal surfaces,
- Due to chemical durability, it is especially ideal for areas subject to chemicals.
- Can be easily applied in electrical cable joints,
- On floors under the influence of oil and fuel,
- Refineries, Petrol stations, fuel centers,
- Military areas,
- Industrial areas, warehouses,
- Parking lots,
- In joints and cracks of asphalt and concrete roads, joints,
- TIX version is used in vertical applications.

Features and Benefits

- It has high self-locating feature (sl-type).
- Resistant against de-icing chemicals
- Polyurethane Based.
- Solvent free.
- It is cold applied and resistant to jet fuels.
- It is a special product produced especially for the use of the airports in the joints of aprons and runways.
- It can be applied by self-leveling, manual pouring or jointing machine.
- Tix is used for vertical applications.
- It is resistant to oils and many chemical substances.
- Flexibility does not deteriorate at various air temperatures.

Application Instructions

Joint Preparation: The joint width should not be less than 6 mm. The depth of grouting must be equal to the width up to 6 mm width. In joints 10-30 mm wide, the depth of fill should be half the width. At larger joints, the depth of fill should be at least half the width. Base materials (roving, glazing, etc.) should be used in the joint in order to adjust the depths.
Surface Quality: The surfaces should be clean, smooth, firm and dry, and weak parts should be removed from the surface. No application on moist surfaces.
Surface Preparation: Before application, joints should be thoroughly cleaned with wire brush, spiral or sandblasting, and dust should be removed from the joint by spraying air.
A masking tape is bonded to the upper parts of the joints so as not to come into the middle. This practice must be done in order to prevent the mastic from being contaminated and to make it come out smoothly. It is used with cartridges / sausage guns / muzzleloader guns to push mastic to joint. Teknopoliderz 2K is mixed with low speed mixer in three component package and placed in sausage gun. Adjust the tip of the cannula according to the joint gap to be applied. By pressing the trigger of the sausage gun, the polyurethane mastic is moved forward. 3-5 minutes after the mastic

is hardened, the gloved index finger is immersed in soft soap. Then, on the drawn mastic, it is possible to move the surface smoothly by moving back and forth. After this process is complete, the masking tape is removed and discarded.
Curing Phase: A and B components should be applied within 35 minutes after mixing. The product will dry completely within 24 hours, have mechanical strength within 48 hours, full strength within 7 days.

Application Notes / Restrictions

- All mastic applications should be performed at temperatures above +5°C. Because the moisture on the surface, adversely affect adhesion.
- TEKNOBOND 110 should be applied as a primer to the grooves.
- Surfaces where TEKNOPOLIDERZ 2K to be applied must be absolutely dry, free from moisture and debris.
- Drying time, different surfaces and air temperatures can affect the use and drying times.
- Values are given for the desired temperature environment +20°C. The timer periods should be shortened under high temperatures and lengthened under lower temperatures.
- Sausage gun, soft soap, masking band, scissors or model knives can be used in practice.
- It must be protected after application against adverse weather conditions such as direct sunlight, high air temperature (above +50°C), rain and frost.
- Immediately after application, before hardened, the equipment should be cleaned with TEKNOTHINNER.

Technical Data

General Information	
Chemical Structure	Polyurethane Based
Color	Black
Package	Set of 10 kg
Shelf life	12 months in unopened package in dry environment
Density	1,37 ± 0,05 (kg / l)
Consumption	Joint Width= 1cm / Joint Depth_1cm / Consumption =137 gr/metre
Application Information	
Pot Life	35-45 (min)
Primer Drying Time	1 hour
Lining	TEKNOBOND 110
Application Temperature	(+5) - (+50°C)
Performance Information	
Breaking Strength	1.50 N/mm²
Hardness (Shore A)	20-35
Elongation	≥ 600 (ASTMD412)
Return	98% (TS 5926 EN 14188-2)

Technical data are approximate values obtained from the laboratory study of Tekno Construction Chemicals for finished products obtained at +20°C air temperature and 50% relative air humidity and valid for its performance after 27 days.