

# Teknopoliderz 3K Tix

Jet Fuel Resistant, Polyurethane Based  
Thixotropic Joint Sealant



**Product Description** Jet fuel resistant, three component, suitable for pistol consistency, bitumen modified polyurethane based joint filler and waterproofing mastic.

**Areas of Usage**

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

**Features and Benefits**

- It can be used in vertical applications since it does not sag.
- 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.
- There is also a self-spreading type.
- It is resistant to oils and many chemical substances.
- Flexibility does not deteriorate at various air temperatures.

**Application Instructions**

**Surface Quality:** The surfaces should be clean, smooth, firm and dry, and weak parts should be removed from the surface. It's not applied 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 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, B and C 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 done at temperatures above +5°C. Because moisture on the surface affects adherence negatively.
- For mineral surfaces, TEKNOBOND 110 should be applied as a primer on the grooves of the joints.
- The surfaces where TEKNOPOLIDERZ 3K Tix 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. High temperatures reduce time, low temperatures increase time.
- Sausage gun, soft soap, masking band, scissors or model knives can be used in the application.
- Immediately after application, before hardened, the equipment should be cleaned with TEKNOTHINNER.

## Technical Data

General Information	
Chemical Structure	Polyurethane Based
Appearance / Color	Black
Storage Conditions / Shelf Life	12 months in unopened package in dry environment
Package	Set of 10,30 kg
Density	1,35 ± 0,5 (kg / l)
Application Information	
Pot Life	35 - 45 (min)
Primer Drying Time	~1 hour
Application Temperature	(+5) - (+40°C)
Performance Information	
Breaking Strength	1.50 N/mm <sup>2</sup>
Hardness (Shore A)	20-35
Elongation	400 - 600 (ASTMD412)
Return	98% (IS 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.