

## Chelfix Jointflex PU700

High Performance Polyurethane Based, Two Component Joint Sealant



**Product Description** Jointflex PU700 is a two component bitumen modified polyurethane based grouting and water insulation joint sealant. Self-leveling, suitable for heavy traffic and has resistance to surface movement. Does not affect from sea water, jet fuels, hydraulic materials, oil.

**Areas of Application**

- On concrete, as surface hardener, on asphalt, natural stone, mosaic and sheet metal surfaces.
- Airports in the joints of aprons and runways Park, bus station, gas station, highways, petrol chemical and other industry facilities (their roads and concrete fields).
- Due to chemical durability, it is especially ideal for areas subject to chemicals.
- Joints in water retaining structures (including potable water).
- Structural floor joints.
- Military areas.
- Industrial areas, warehouses, Parking lots.
- In joints and cracks of asphalt and concrete roads, joints.
- In vertical applications, TIX version is used.

**Advantages**

- Cold applied and resistant to jet fuels.
- Solvent free, Polyurethane Based.
- Good chemical resistant to wide range of mild alkalis, diluted acid and solvents.
- 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.
- Resistant against de-icing chemicals.
- Tix is used for vertical applications.
- Good adhesion to concrete, stone, metals and many other common building substrates.
- Suitable for all climate conditions, weathering and UV resistant.
- High movement accommodation factor.
- Flexibility does not deteriorate at various air temperatures.
- Fuel and oil resistant.

**Standards**

- BS5212:1990, Type N, F and FB.
- US Federal Specification SS-S-200E as Type M sealant.

**Chemical Resistant** Resistant to most alkalis and dilute acid; petrol, diesel or jet fuel and many solvents and vegetable oils.

**Packaging** Jointflex PU700 available in 10 kg or 20 kg sets.

## Technical Data

General Information	
Color	Black
Chemical Structure	Polyurethane Based
Density	1.37 ± 0.05 (kg / lit)
Consumption	Joint Width= 1cm / Joint Depth_1cm / Consumption =137 gr/m
Pot Life	35 - 45 (min)
Shelf life	12 months in unopened package in dry environment
Primer Drying Time	1hour
Lining	Chelfix PU Primer
Application Temperature	( +5) - ( +50°C)
Breaking Strength	1.5 MPa
Hardness (Shore A)	20- 35
Elongation (ASTMD412)	≥ 600
Return (TS 5926 EN 14188-2)	98%

## Application Instruction

**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. Jointflex PU700 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.
- Chelfix PU Primer should be applied to the grooves.
- Surfaces where Jointflex PU700 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 Chelfix Thinner.