

## Tri – FLEX PU 50

### High Modulus Polyurethane Sealant

#### Description

**Tri-Flex PU 50** is a single-component polyurethane elastomer construction Sealant for use in building joints. Primer omitted on Anodized aluminum and mortar.

**The product certified by (National Research Center)**

**Tri-Flex PU 50** has been tested in accordance to ASTM (C920- C603- C661- C794)



#### Uses

Expansion joints used in the building industry.  
Caulk seals used in heavy and light prefabrication and traditional masonry.

#### Advantages

- Paintable with water base or flexible coat.
- Single component & Convenient Packing.
- Movement accommodation factor  $\pm 25\%, 30\%$ .
- It has high adhesion to most surfaces of different materials such as Concrete, buildings and glass, Aluminium, and iron.
- Highly resistant to sea water, diluted acids and alkalis.
- UV Resistant/ Fast Curing.
- Low VOC.
- Accommodates 30% joint movement.
- Permanently flexible, excellent weather.
- Easy to gun, Easy to tool.
- Cures to a tough, durable, elastic consistency with excellent cut and Tear resistance.

#### Technical Data @°25c

Shore of Hardness ASTM C661	38
Elongation at Break DIN 33504	320 %
Adhesion Strength ASTM C794	35 N/mm <sup>2</sup>
Thermal Resistance DIN 33504	Comply
Staining and Color change ASTM C 510	Comply
Elastic Recovery	70 %

#### Factory & Head Office:

6 October City - 4th Industrial Zone - Al Oula Industrial Zone Plot No.: 14  
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Technical Support Call : (002) 011 184 87880 - Email: sales@trichem-eg.com

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Skin formation time (23oC 50% HR)	60 min
Polymerized thickness after 24 hrs (23oC 50% HR)	3 mm
Modules of elasticity (@100%)ISO8339	0.40 MPa
Modules @ break ISO 8339	0.60 MPa
Service temperature	-20 - 80 °C

### Directions for use

#### Surfaces Preparation

Surfaces must be clean, dry, and free of dust, grease or parting compound. Concrete surfaces must be dry and stable (At least 4 weeks). Users must Check that the mastic is compatible with surface in terms of adhesiveness, Staining and chemical compatibility (Test a section first). Correctly size the joints according to possible movements and movement capability. The width of the joint must be between 6 - 40 mm. For width less than or equal to 10 mm. The depth should be equal to its width. For widths greater than 10 mm, the depth should be equal half to its width.

**Tri-Flex PU 50** can be over-coated, preliminary adhesion / compatibility testing is necessary.

#### Application

If necessary, apply a thin layer of **Tri-Prime SB** on the surface. We Recommend applying primer on mortar or similar surfaces that Resemble mortar (smooth surface). After the primer has dried, press a flex non-adhesive joint Packing rod. For Narrow joints, apply the mastic in one movement.

For every wide joint, apply the mastic in places: 1st & 2nd edges of the joint and 3rd on the joint filler. Smooth out with soapy water. Press the mastic against the edges and the joints filler while taking care not to create air bubbles.

### Cleaning

All tools should be cleaned with thinner immediately after use.

### Package

600 ML / sausage

### Shelf Life

12 months from the manufacturing date, in its original unopened package

### Storage

Store the material in a cool, covered dry place. Do not expose the pails to Direct sunlight and keep away from all sources of heat.



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#### **Health and Safety**

Wear protective cloths, gloves, glasses and face protection. For skin contact, remove it with suitable cream and followed by soap and water cleaning. For eye contact, rinse with plenty clean water and then seek medical advice. For more details, require safety data sheet for the product



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