

## COSMO FLEX PU 25

### Medium Modulus, PU Sealant for Expansion Joint

#### DESCRIPTION

COSMO FLEX PU 25 is thixotropic, permanent elastic, cold applied and cold-to-use, single-component, polyurethane elastomer (plastic), and filler material, used for lime and to fill joints.

SNJF elastomer is a category 1. It shows the protective effect in contact with the ground and air moisture.

#### RECOMMENDED FOR

- Expansion joints in heavy and light prefabrication and traditional masonry.
- Joint sealer for medium movement joints.
- Interior decoration; tiles, ridge tiles and plinths.
- Joint sealing for cracks.

#### PACKAGING

COSMO FLEX PU 25 is supplied in white and grey in 600 ml packing, with 24 pieces per box.

#### ADVANTAGES

- Easy to apply (one component).
- Adheres perfectly on most of the construction materials: concrete, glass, anodized aluminum, wood material and so on.
- Water resistant.
- Maintains its mechanical properties over a temperature span of -30oC to +90oC.
- Frost resistant.

#### APPLICATION

**Surface Preparation:** Surface is clean, dry and sturdy; all kinds of negative effects on the plastic adhesion must be free of dirt and grease. All loose materials must be removed (Dried for at least 28 days). Moisture content should not exceed 5%. Users should check plastic viscosity, spotting, and the compatibility of chemical (First performed on a small portion).

**Joint Making:**The joint should be measured right. The recommended width is between 10 and 30 mm. The joint width/depth ratio should be approximately 2:1.

**Priming:** Concrete, cement screed or absorbent surfaces such as wood, should be primed with HYPERTECTUM PU. Metal and non-absorbent surfaces such as ceramic tiles should be covered using the COSMO AQUA PRIMER.

**Isolation Fiil:** After the primer has dried, flexible, non-sticky in a joint filler (polyethylene strip) should be pressed into the joint. To prevent the formation of bubbles in the joint, be sure that the joint space are covered.

COSMO FLEX PU 25 plastic is applied using a special gun or trowel. Use protective tape to a better shutdown.

In narrow joints, plastic should be applied in a single motion. By large joints the plastic should be applied three places: The first two applications on the edges of the joint, the third should be made to fill. The surface should be straightened with soapy water. Press the edges of the plastic and the joint fill. In the meantime, bubble formation should be considered, and the protective strips should be removed.

After polymerization, the surface can be painted. Acrylic or vinyl paints are used after being tested.

#### STORAGE

Plastics should be stored in dry and cool rooms for up to 9 months. Protect the material against moisture and direct sunlight. Storage temperature: 5o-30oC. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

#### CONSUMPTION

Depends on the volume of the joint or crack to be filled.

**COSMO FLEX PU 25****TECHNICAL SPECIFICATIONS**

PROPERTY	RESULTS	TEST METHOD
Hardness Shore A	15-25	ISO 868
Modulus	At 100% 0,15-0,25 Mpa	ISO 8339
Elongation at break	> 250%	ISO 8339
Elastic recovery	> 70%	ISO 7389
Movement capability	25%	
Temperature	-20°C ≤ T ≤ + 80°C	
Water vapor diffusion	≈ 32g/m <sup>2</sup> /24 hrs	NF30 018
Elongation at break	700%	
Density	1,20 gr/ml	

**Safety Informations**

COSMO FLEX PU 25 contains isocyanate. Use only in well ventilated areas. Avoid contact with skin. Case of eye contact with the material, rinse eyes with plenty of water and immediately consult a doctor. NOTE: Keep out of reach of children. Please study the Safety Data sheet.

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