



ELASTOSEAL-PU 25 LM



ONE-COMPONENT MOISTURE CURING POLYURETHANE SEALANT IN THE FORM OF THIXOTROPIC PASTE. AFTER APPLICATION, IN CONTACT WITH AIR, THE SEALANT IS VULCANISED TO AN ELASTIC AND COHESIVE MASS.

PHYSICAL PROPERTIES

- Elastic performance and movement capability.
- Adhering ability to dissimilar substrates.
- High mechanical strength.
- PAINTABLE.**
- Very good resistance to aging (UV and moisture).
- Easy application at temperatures from +5 to +40°C
- Service temperature: -40 to +90°C

TECHNICAL PROPERTIES

A. Unvulcanized Rubber	
Consistency	non-sag
Skin forming time	120-240 min (23 °C, 50% RH)
Curing speed	2-3 mm/ 1st day (23 °C, 50% RH)
Specific Gravity	1,23
B. Vulcanized Rubber	
SHORE A - Hardness	25±5
Recovery (100% extension for 24 hours)	> 90%
Movement capability	25%
Tensile strength (DIN 53504)	1,32 N/mm ²
Modulus at 100% elongation (DIN 53504)	0,42 N/mm ²
Elongation at break (DIN 53504)	880 %

APPLICATION FIELDS

It is suitable for joints of materials with absorbent (concrete, gypsum board, wood, brick, etc.) and non-absorbent (aluminium, PVC, steel, etc.) surfaces, such as joints between window or door frames (aluminium, wood or PVC) and walls. It is especially suitable for construction applications where high standards are set in respect to flame retardance of the material. FIRE ACRYLIC meets the requirements of BS 476 part 20: 1987. It is generally suitable for joints of medium distortion (up to 12%). It is not suitable for sealing of joints permanently immersed in water (water tanks etc.).

APPLICATION INSTRUCTIONS

JOINT PREPARATION :

- 1) The joint faces to be bonded must be clean, dry and free from dust, oil, grease, old sealant and any traces of contaminant, which may affect adhesion. Surfaces should be degreased with solvent using a clean cloth. To remove dust, use oil-free compressed air.
- 2) For better aesthetic result, it is recommended to use self-sticking paper tape (MASKING TAPE) on both sides of the joint, in order to avoid soiling of the edges.

PRIMING :

ELASTOSEAL PU 25 LM sealant does not normally require primer on most common substrates used in buildings. In cases of expansion joints with porous substrates (concrete), PRIMER VL is recommended. The sealant is applied on well dried primer.

JOINT DIMENSIONS :

The joint dimensions are designed according to the expected distortion of the elements as well as the local regulations. Joint width should be twice the depth when the width is bigger than 2 cm and equal to the depth when the width is smaller than 20 cm. The width of the joints should not be less than 5 mm and bigger than 5 cm.

In order to regulate the depth of the joint, where ever it is necessary, it is recommended to apply a Back Filling Rod (rod of expanded PE). The back filling rod prevents the adhesion of the sealant to the bottom of the joint, enabling the free movement of the sealant according to the distortion of the elements. In cases where there is not enough space to accommodate a back filling rod, it is recommended to use a PE film (Release Film).

SEALANT APPLICATION:

- 1) We cut the nozzle slantwise to form an opening proportional to the joint width.
- 2) We put cartridge/sausage into the hand- or air gun and we apply the sealant in the joint.
- 3) We smooth the surface of the uncured sealant with a spatula, so as to form a slightly negative crescent.

Excess uncured sealant should be wiped and cleaned with a commercial



TECHNICAL SHEET

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solvent such as xylene or white spirit; cured sealant can only be removed by abrasion.

ELASTOSEAL-PU 25 LM is paintable with water based paints and 2 component industrial paints. It is not compatible with alkyd based paints.

COLOUR :

White, Grey, Black, Beige, Terracotta, Brown.

PACKAGING :

In paper carton with 25 aluminium cartridges of 310 ml or 15 sausages of 0,6 Lt.

SHELF LIFE :

12 months minimum when stored in places with normal temperature and humidity.

WARNING TO USERS

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