



**ELASTOTET S.A.**

**SEALING & ADHESIVE MATERIALS**

**Silicone, Acrylic & Polyurethane Sealants**

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# ELASTOTAN

## DESCRIPTION

ELASTOTAN is a one-component moisture curing sealant for connection and expansion joints in the construction industry. It cures at room temperature to produce a flexible low modulus elastomeric seal. Once cured it has a movement capability of  $\pm 25\%$  over a wide range of temperatures.

## CHARACTERISTICS

ELASTOTAN sealant combines the advantages of a low modulus elastomeric sealant (minimum strain on joint surfaces) with primerless adhesion on most construction materials including porous substrates. Its curing characteristics enable easy application and tooling of the product. **Mechanical properties and adhesion are not affected by prolonged exposure to sunlight, rain, snow or ozone.** ELASTOTAN sealant can be used on glass, coated glass, vitreous surfaces, metal, painted or unpainted wood, PVC, polycarbonates, concrete etc.

## TYPICAL USES

ELASTOTAN has been specifically developed for jointing or bonding in building and industrial applications such as:

- Expansion joints and curtain walls.
- Perimeter joints around windows or doors.
- Glazing joints on aluminium, wood, PVC etc.
- Joints on roofs, chimneys.
- Venting or gutter joints.

## TECHNICAL PROPERTIES

Specific gravity, approx.: 1,34

Sag, Slump (ISO 7390): No sag

Skin over time : 7-25 min

Cure time

approx.: 2-3 mm/1 st day

7-9 mm/7 days

Application temperature range: +5 to +40 °C

Service temperature range: -50 to +120 °C

Joint movement capability:  $\pm 25\%$

Hardness : approx. 21

Elastic recovery : approx. 95%

### **Mechanical properties on slabs (DIN 53504)**

- Tensile at 100% elongation: approx. 0,62 MPa
- Tensile strength: approx. 1,2 MPa
- Elongation at break: approx. 700%

## **APPLICATION PROCEDURE**

**Joint preparation:** The joint faces to be bonded must be clean, dry and free from dust, oil, grease, old sealant and any traces of contaminant that may affect adhesion. Surfaces should be degreased with solvent using a clean cloth. To remove dust, use oil-free compressed air.

**Priming:** ELASTOTAN 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 after the primer has completely dried (2-3 hrs to 24 hrs depending on temperature and moisture. When the primer is dry is tack free).

**Joint dimensions:** The movement capability of sealant as well as local regulations must be considered. Joint width should be twice the depth when the width is bigger than 20mm and equal to the depth when the width is smaller than 20mm. The width of the joints must not be less than 5 and bigger than 50mm.

**Sealant application:** For good performance it is essential that the sealant be only bonded to the two facing sides of the joint. To achieve this install a backup material (closed cell polyethylene or open cell polyurethane foam). Apply the sealant in a continuous operation making sure all air pockets or voids are eliminated. Tool the sealant with light pressure to spread the material against the joint surfaces.

This operation should be made with a dry spatula before skin formation occurs.

Excess uncured sealant should be wiped and cleaned with a commercial solvent such as white spirit, cured sealant can only be removed by abrasion.

## **PACKAGING**

In plastic cartridges of 0,28 Lt content and sausages 0,6 Lt .

## **COLOURS**

White, Grey.

## **LIMITS OF USE**

ELASTOTAN must not be used for jointing aquariums or swimming pools. It cannot be painted.

## **STORAGE AND SHELF LIFE**

ELASTOTAN sealant has a shelf life of 12 months from its date of manufacture (the manufacture date is shown on the packaging) under normal storage conditions.

### **Warning to users**

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