

# ELASTOBRID 55

One-component sealant/elastic adhesive, based on hybrid polymers, which cures with reaction with humidity and adheres on the substrates that it is applied.  
**COLOURS** : White, Grey, Black

## PHYSICAL PROPERTIES & ADVANTAGES

- ❖ Excellent adhesion to most common materials without primer
- ❖ Adhesion on wet substrates
- ❖ Ease of use at temperatures +5 - +45 °C
- ❖ Neutral curing system. It does not release any toxic substances during polymerization.
- ❖ Almost odourless
- ❖ Non-corrosive to metals
- ❖ High mechanical strength
- ❖ High chemical resistance
- ❖ Excellent resistance to ageing and UV radiation
- ❖ It does not yellow
- ❖ Paintable with most common paints
- ❖ Free of silicone, solvents and isocyanates
- ❖ Very low shrinkage after polymerization
- ❖ Fast cure

## TECHNICAL PROPERTIES

### A. Uncured material

- ❖ Thixotropic paste : it does not sag
- ❖ Skin forming time : 25 min (23 °C, RH 50%)
- ❖ Curing speed : 3 mm/24 h (23 °C, RH 50%)
- ❖ Density : 1,64 gr/cm<sup>3</sup>

### B. Cured material

- ❖ Temperature resistance : up to +90 °C
- ❖ Shore A Hardness : 57
- ❖ Tension at 100% extension (DIN 53504) : 1,6 N/mm<sup>2</sup>
- ❖ Tensile strength (DIN 53504) : 4,1 N/mm<sup>2</sup>
- ❖ Elongation at break (DIN 53504) : 350%
- ❖ Joint capability movement : 20%

## AREAS OF APPLICATION

Sealing and bonding applications on most common substrates such as : wood, metals, concrete, plastics, coated aluminium, glass, tiles, marble, brick, plaster, etc. It is generally used in construction, hydraulic, industrial, marine and automotive applications. Suitable for sealing joints around window and door frames, roofs, chimneys, ducts, gutters, panels. It is especially suitable for mirror bonding applications because it cures rapidly and it does not attack the silver plating. It can be applied in outdoor applications under low or high temperatures, even during rain conditions.

## INSTRUCTIONS OF USE

**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, which may affect adhesion. Surfaces should be degreased with solvent using a clean cloth. To remove dust, use oil-free compressed air.

**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. For bonding applications, the sealant should be applied in 2-3 mm parallel beads every 5 – 8 cm.
- 3) We smooth the surface of the uncured sealant with a spatula, so as to form a slightly negative crescent. 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 paper carton of 15 aluminium sausages 0,6 Lt.

## SHELF LIFE

The shelf life is 12 months from the production date if kept in cool and dry areas.

## LIMITATIONS

It is not suitable for permanent immersion in water and contact with food.

**WARNING TO USERS**

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