

## TECHSEAL PU1

### SINGLE COMPONENT POLYURETHANE ELASTOMERIC SEALANT

**TECHSEAL PU 1** is single component polyurethane based elastomeric sealant which cures under the effect of atmospheric humidity. It is highly elastic, tear and weather resistant

#### Technical Characteristic

Appearance	Pasty
Color	Various
Density at 20oC	Black : 1.15 ± 0.02 Other: 1.16 ± 0.02
Sagging (ISO 7390)	< 3mm
Application Temperature	5 to 35OC
Skin formation time at 23oC and 50% HR	5 to 10 h
Cure time at 23oC and 50% HR	> 2mm/24h
Shore A hardness (Internal method IT-20 after 868 – 3 seconds)	Approx. 25
Modulus at 100 % (ISO 8339)	< 0.4 MPs
Elongation at Break (ISO 8339)	> 400%
Moment Accommodation Factor % (MAF)	+/- 25%
Temperature Resistance	-40 to +80oC
Resistance to dilute acids and bases	Average
UV Resistance	Good
Compatibility with paints	On cured sealants Waterbased : Yes Solvent Based : Carry out tests beforehand
Specific Data	Weatherability: Good Tear resistance (ISO 34) : Env. 6.5 N/mm

## Typical Application

- Bonding different materials used in the building industry.
- Good adhesion without primer on materials like wood, anodized aluminium, polyester, glass, concrete, stone, ceramic tiles, stoneware.
- For difficult materials, including plastics such as PVC, ABS, PMMA, or materials such as raw aluminum, lacquered metal, perform preliminary tests to determine whether a surface preparation is necessary.

## Substrate Preparation

1. The substrates must be clean, even, dry, free of dust, oil, grease and any contaminants that could harm bonding.
2. Check the compatibility of the solvent used with the substrates.
3. When using solvents, extinguish all sources of ignition and carefully follow the safety and handling instructions given by the manufacturer or supplier.
4. Apply a primer if necessary.
5. If necessary, rub down metal surfaces beforehand. Clean them again after rubbing down. Allow the substrate to dry after degreasing.
6. We recommend that concrete is cleaned with a metal brush.

### Caulking:

Insert compressible polyethylene, polyurethane, neoprene, polyethylene butyl rod as backup material to control depth of sealant in the joint and to provide support for tooling of the sealant.

## Storage and Shelf Life

12 months in closed original packaging stored in dry premises at a temperature lower than 25 °C. In cold weather, store the cartridges at about 20 °C before use.

## Packing

600ml Sausages

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