

## TECHSEAL PU1

### SINGLE COMPONENT POLYURETHANE ELASTOMERIC SEALANT

#### DESCRIPTION

**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

#### AREAS OF 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.

#### TECHNICAL DATA

Appearance	Pasty
Color	Various
Density at 20°C	Black : 1.15+ 0.02 Other: 1.16 + 0.02
Sagging (ISO 7390)	< 3mm
Application Temperature	5 to 35°C
Skin formation time at 23°C and 50% HR	5 to 10 h
Cure time at 23°C 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 MPa
Elongation at Break (ISO 8339)	> 400%
Moment Accommodation Factor % (MAF)	+/- 25%
Temperature Resistance	-40 to +80°C
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

#### INSTRUCTIONS FOR USE

##### Substrate preparation:

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

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- We recommend that concrete is cleaned with a metal brush.

#### Caulking :

- TECHSEAL PU 1 can be applied by a manual or pneumatic gun.
- After application, use a putty knife to smooth the joint with soapy water.
- This product should be used within 24 hours of opening the sausage protection ; otherwise, the sealant could cure in the sausage. Do not apply at a temperature under 5 °C.
- Avoid any contact with non-cured MS, hybrid PU or silicone sealants as well as with alcohols or ammonia during curing.

#### 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.

#### PACKAGING

600 mL sausages.

#### Disclaimer:

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