POLYURETHANE SEALANT · CODE 6292

Taftflex 6292

6292 POLYURETHANE SEALANT

REF	ISSUED	REVIEWED	PAGE
HZJS/JP126/17012022 (TDS-R2)	January 2022	June 2026	1

PRODUCT DESCRIPTION

TAFTFLEX 6292 is a single component, low modulus polyurethane based elastomeric sealant. It forms a joint of high elasticity and has a good resistance to tear and to weather.

FEATURES

- Non-staining to bonded surface.
- Outstanding durability. Low modulus, ±25%.
- Paintable and weatherproof.
- Excellent adhesion to various materials.

TYPICAL APPLICATION AREAS

TAFTFLEX 6292 is specially adapted for bonding various materials used in the general industry and for expansion joints. This sealant adheres without primer on substrates commonly used, like wood, anodized aluminum, polyester, concrete, glass. For difficult materials, including plastics such as PVC, ABS, PMMA, or materials such as raw aluminum or lacquered metal, perform preliminary tests to determine whether a surface preparation is necessary.

SPECIFICATIONS

ITEM	VALUE
Appearance	Pasty
Color	Black, white, grey
Cure mechanism	Moisture-curing
Density	1.43 g/cm³
Sagging	< 1mm
Application temperature	5 °C ~ 35°C
Skin formation time @ 23°C, 50%RH*	90 min.
Curing speed* @ 23°C, 50%RH	≥3 mm/24 hrs
Shore A hardness	27
Elongation at break	600%
Tensile Strength	>0.25 MPa
Service temperature (Permanent)	-40°C~ +90°C

SPECIFICATIONS (CONTINUED)

ITEM	VALUE
Resistance to dilute acids and bases	Average
UV resistance	Good
Water and salt spray resistance	Excellent
Compatibility with paints	
Water based:	Yes
Solvent based:	Carry out tests beforehand

APPLICATION METHOD

- Cleaning: Clean surface with a strong jet of compressed air, sandblast, or solvent to ensure the surface being clean, dry, free of oil, grease, and of sound quality.
- Activating/Priming: Activators and/or primers may be required to achieve optimal adhesion depending on the nature of substrates.
- Application of sealant: Cut tip to desired shape and size. Puncture airtight seal. Install with hand or power operated gun and extrude the sealant into the joint. Clean excess sealant using hard rubber plate or finger wet with soap solution.

CAULKING

TAFTFLEX 6292 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 cartridge or sausage; otherwise, the sealant could harden inside. Do not apply at a temperature under 5 °C. In cold weather, store the cartridges at about 20 °C before use. Avoid any contact with non-cured MS, hybrid PU or silicone sealants as well as with alcohols or ammonia during curing.

PACKAGING STANDARD

- 310ml cartridge
- 600ml sausage

CLEANING METHOD

Always clean the bonding substrates with appropriate cleaning agent prior to applying the polyurethane adhesive. This will ensure good bonding integrity when fully cured.

STORAGE CONDITIONS

Store polyurethane sealant in a cool and dry area (15-25°C), away from direct sunlight. Storing this product otherwise may reduce shelf life and affects physical properties adversely. Do not store the polyurethane for more than 30°C as it may affect the viscosity of the compound and making it difficult for caulking. This product has 12 months shelf life if stored at the recommended temperature.

HANDLING PRECAUTION

- Refer to Safety Data Sheet (MSDS) before using this product.
- Always wear personal safety gears when handling this product. (Impervious gloves, eyes protection goggles, respiratory mask.)

COMPLIANCE AND QUALITY

RoHS statements and Safety Data Sheets for this product are available on request. Contact the MightyLoc team and we will send the current documents.

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