SILTECH

Sealants and Adhesives

SILTECH PU40
TECHNICAL DATA SHEET

Rev.3 Date: 15/09/2022

SILTECH – PU40 is a single-component, moisture curing, polyurethane-based sealant material which is thixotropic and easily applied by a bulk filling gun.

SILTECH – PU40 is UV resistant and cures to a paintable, weather & water resistant, permanent elasticity sealant without affecting its volume.

Property	Value	Unit	Test Method (if applicable
Shore Hardness A	30 - 40	□	ISO868
Curing Mechanism	Atmospheric Moisture	-	-
Modulus 100%	0,55 - 0,65	MPa	ISO 8339
Ultimate Enlongation	> 200	%	ISO 8339
Ultimate Enlongation	600	%	ASTM D412
Density	1,3	g/cm3	-
Tensile Strength	2,2	MPa	ASTM D412
Break strength	0,75	MPa	ISO 8339
Ability to move	25	%	-
Elastic Resilience	>70	%	ISO 7389
Film Formation	≈ 45	Min	(+23 °C, +50% R.H.)
Curing time	≈ 3.5 mm / 24 hrs	mm/hour	(+23 °C, +50% R.H.)
Application temperature	+5 °C / +40 °C	°C	-
Working temperature	-20 °C / +80 °C	°C	-
Resistance to creep at +23 °C	≤ 3	mm	ISO 7390
Resistance to creep at +50 °C	≤ 3	mm	ISO 7390
Shrinkage	≤ 10	%	ISO 10563

USAGE

The application surface must be solid, clean, dry and free of dust, oil and grease. Allow the substrate to dry after degreasing, it is recommended to clean concrete with a metal brush. Do not apply at a temperature under 5 °C, apply a primer if necessary or rub down metal surfaces before usage. SILTECH – PU40 can be applied by a manual or pneumatic gun. After application, smooth the joint with soapy water and use the sausage within 24 hours after opening. In cold weather, store the packages at about 20 °C before us.

CLEANING

Tools can be cleaned with alcohol or acetone before the sealant has completely cured. After curing, cleaning will require some scrubbing.

PRECAUTIONS

- This Keep out of reach of children
- Avoid contact with skin and eyes.
- Use in well-ventilated places
- Don't breathe vapours
- Do not smoke when using the product.
- This material requires atmospheric moisture to cure from paste to rubber and may not attain its listed final cured rubber properties when used in designs or applications where the product is encapsulated and without access to atmospheric moisture.
- Some materials that bleed plasticizers or oils can cause a discoloration on the surface of sealants.
- When sealing to or over items such as; rubberized   gaskets, bituminous-based materials, butyl or oilbased products, oily woods, tapes, etc., Silicone & Technical Products recommends that compatibility testing be performed prior to use to confirmthe suitability of the use of these materials when in contact with each other.

STORAGE

Store the product in a cool and dry place.
This product is guaranteed for 5 years when applied in accordance with the manufactures specifications.

PACKAGING & COLOURS

SILTECH – PU40 is available in 600ml aluminum sausages in White, Grey, Black, other colours on request.

silicone
SILICONE & TECHNICAL PRODUCTS (PTY) LTD

ISO QSCert 9001	ISO QSCert 14001	ISO QSCert 45001	FSSC QSCert 22000	CSR QSCert 26000

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