



SILTECH PU40

TECHNICAL DATA SHEET

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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 Elongation	> 200	%	ISO 8339
Ultimate Elongation	600	%	ASTM D412
Density	1,3	g/cm ³	-
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 confirm the 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.

LEGAL DISCLAIMER

Each user bears the full responsibility for making its own determination as to the suitability of Supplier material, products, services, recommendations or advice for its own particular purposes. Each user must identify and perform test and analysis sufficient to assure its finished parts will be safe and suitable for use under end-use conditions. Because actual use of products by the user is beyond the control of Supplier, such use is within the exclusive responsibility of the user, and supplier cannot be held responsible for any loss incurred through incorrect or faulty use of the products. Further, no statement contained herein concerning a possible or suggested use of any material product, service or design is intended or should be construed to grant any license under any patent of other intellectual property right of Supplier or any of its subsidiaries or affiliated companies, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.



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