



SILTECH PU25

TECHNICAL DATA SHEET

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SILTECH – PU25 is a single-component, moisture curing, polyurethane-based sealant material which is thixotropic and easily applied by a cartridge gun. SILTECH – PU25 cures to a paintable, weather & water resistant, permanent elasticity sealant without affecting its volume

Property	Value	Unit	Test Method (if applicable)
Chemical Base	Polyurethane	-	-
Curing Mechanism	Atmospheric Moisture	-	-
Modulus 100%	0.3	MPa	ISO 8339
Elongation at break	>600	%	ISO 8339
Density	1,15 ± 0,03	g/cm ³	DIN 53479
Tack free time	60-90	Minutes	25°C and 50% R.H
Cure rate	2/24	mm/hour	25°C and 50% R.H
Hardness	20 ±5	Shore a	DIN 53505
Tear Strength	6.5	N/mm	DIN 53515
Application temperature	+5 to +35	°C	
Temperature resistance	-30 °C to +80 °C	°C	

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 – PU25 can be applied by a manual or pneumatic gun

After application, smooth the joint with soapy water and use the cartridge or sausage within 24 hours after opening

In cold weather, store the packages at about 20 °C before use.

CLEANING

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

JOINT DIMENSION

- Ideal joint dimensions 10mm to 35mm - (Ratio 2/1 Joint size from 35mm to 50mm subject to the joints being stable with very little movement)

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 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 oil-based 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

The shelf life is 12 months at temperatures between +5°C and +25°C

PACKAGING & COLOURS

SILTECH – PU25 is available in 300ml aluminium cartridges or in 400ml and 600ml aluminum sausages in White, Grey, Black, other colours on request.

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 or 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.