



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 cartridge gun. SILTECH – PU40 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%	0.4	MPa	ISO 8339
Elongation at break	>500	%	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	2mm/24hour	mm/hour	25°C and 50% R.H
Hardness	40 ±5	Shore a	DIN 53505
Tear Strength	10	N/mm	DIN 53515
Application temperature	+5 to +35	°C	
Temperature resistance	-30 °C to +80 °C	°C	

Data ranges: The data contained in this data sheet may be reported as typical value and/or range. Values are based on actual test data and are verified on a regular basis.

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 cartridge or sausage within 24 hours after opening

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

TYPICAL APPLICATIONS

SILTECH – PU40 adheres to cement-based building materials; brick; ceramic; marble; glass; wood; galvanize steel; aluminium and most plastic surfaces. SILTECH – PU40 is used in the construction industry, in the cavities of the joints between building elements; joints and assembly of aluminium, PVC, wooden framing and for the laying of roof tiles

JOINT DIMENSION

- Ideal joint dimensions 10mm to 35mm - Ratio 2/1
- Joint size of 35mm plus not recommended.

PRECAUTIONS

- One-component
- Easy application with gun
- Thixotropic
- Cures with the humidity in the air
- Paintable
- No volume change
- Resistant to weather conditions and water
- Permanent elasticity

CLEANING

Tools can be cleaned with alcohol or acetone before the sealant has completely cured

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 – PU40 is available in 300ml aluminium cartridges or in 400ml and 600ml aluminum sausages in White, Grey, Black, other colours on request.

PRECAUTIONS

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

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.