

Section 1 - Identification of The Material Manufacture

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Section 2 - Product Description

A neutral cure, low modulus, high performance, 100% silicone sealant designed for gap filling and sealing and bonding in a wide range of use in building and construction. It combines the advantages of outstanding adhesion to building materials with its non-corrosive and odourless curing.

Section 3 - Fields of application

- Frame sealing.
- All usual building joints with high movement.
- Sealing of expansion joints between many different construction materials (PVC, treated wooden and metal profiles and glass).
- Also suitable for sealing glazing units such as weather sealing of structural glazing, angled glazing, timber-glass-composite elements, roof glazing.
- Perimeter pointing of all types of door and window frames.
- Not suitable for the structural bonding of structural glazing units.

Section 4 - Application Method

- An improved joint appearance can be achieved by placing masking tape to both sides of the joint, removing within 5 minutes of application
- Cut the cartridge at the top and screw on the nozzle.
- Cut the nozzle at an angle of 45° with an opening slightly larger than the gap to be sealed.
- The sealant should be applied as evenly as possible using a standard sealant gun.
- To ensure a proper bond, always smooth the sealant down with Smoothing Spray and Joint Spatulas.
- When finished with a finishing solution or soapy solution, make sure that the surfaces are not touched by this solution. This will cause the sealant not to adhere to that surface.

Section 5 - Surface Preparations

- The surfaces to be sealed must be clean, dry and free from dust, grease and other contaminants.
- If needed, the porous surfaces should be cleaned with an abrasive material and after that all the loose particles should be removed.
- Non-porous surfaces should be cleaned with solvent and a clean, non-fluffy cotton cloth. Solvent rests should be removed before evaporating with a clean cloth.
- The application temperature must be between +5°C and +40°C.
- Min. width: 6mm. Movement capacity will be impaired if the depth of the joint is greater than the width.
- For maximum movement accommodation, it is recommended that:
 1. The joint depth should be no less than 5mm.
 2. Joint depth should be 6mm for joints up to 10mm wide.
 3. Joints above 10mm in width should be half the width in depth e.g. 20mm wide and 10mm deep.
- Polyethylene (PE) backer rod should be used as a backup material, to ensure the correct thickness and shape of sealant joint and to avoid three-sided adhesion.

Section 6 - Properties

- Multi-purpose building silicone
- High movement capability +/- 50% • Low modulus - permanent elastic after curing
- Excellent adhesion - adheres to most common porous and non-porous surfaces including glass, metals, plastics and wood without priming.
- Non-corrosive no (oxidation) corrosion on unprotected metal surfaces.
- Excellent weathering, ageing and UV-resistance for long-lasting indoor and outdoor applications.
- High resistance to notches, tension and tearing resistant to high mechanical stresses.
- High resistance to plasticiser migration.
- High viscosity non slump formula.
- Resistant to temperature extremes (-60 °C +185 °C).
- Low dirt pick up, very low odour.
- Extremely long service life.
- No acetate content

Section 7 - Cleaning

Cleaning Uncured sealant and tools can be cleaned with white spirit. Cured material can only be mechanically removed.

Section 8 - Technical Data

Property	Condition	Unit	Value	Method
Basis	-	-	Neutral silicone	-
Consistency	-	-	Non-sag	ISO 7390
Curing Mechanism	-	-	Moisture curing	-
Density	Transp. and alum. Other Colours	g/ml	1,02 ±0,03 1,20 ±0,03	ISO 1183-1
Movement Capability	-	%	± 50	ASTM C719
Elastic Recovery	Fully cured product	%	Approx. 100	ISO 7389
Skin Formation Time	23°C and 50% R.H	min.	5 - 10	Internal
Curing Rate	23°C and 50% R.H	mm/day	Min. 2,5	Internal
Hardness	After 28 days	Shore A	20 - 30	ISO 868
Modulus of Elasticity %100	23°C	N/mm ²	≤ 0,3	ISO 8339
Tensile Strength	-	N/mm ²	1,0 - 1,5	ISO 37
Elongation at break	-	%	≤ 420	ISO 37
Temperature Resistance	-	°C	-60 to +185	-
Application Temperature	-	°C	+5 to +40	-

Section 9 - Limitations

- Do not use on bituminous substrates or on building materials which might bleed oils, plasticizers or solvents (e.g. natural rubber, chloroprene, EPDM, ...).
- There is no adhesion on PE, PP, PTFE (Teflon®).
- Due to the wide variety of possible substrates, we recommend a preliminary compatibility and adherence test. If necessary, prime surfaces to improve adhesion.
- Not suitable for food contact applications.
- Do not use to produce swimming pool joints.
- Discoloration can occur in dark places and by contact with chemicals.
- Not intended for continuous water immersion.
- Should not be used in totally confined joints (the sealant requires atmospheric moisture for cure).
- Non overpaintable.

Section 10 - Shelf Life

If kept stored in a cool, dry place, in unopened original packaging, between +5°C and +25°C, shelf life is up to 15 months from production date

Section 11 - Packaging

310ml cartridge.

Section 12 - Colour

Transparent / White / Brown

Section 13 - Environmental Clauses

Leed regulation: Rilicone conforms to the requirements of LEED. Low – Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED® 2009 Credit 4.1: Low-Emitting Materials – Adhesives & Sealants concerning the VOC-content.

Section 14 - Health & Safety

Keep out of the reach of children. Wear suitable gloves. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Use only in well-ventilated areas. Detailed safety information is available on safety data sheet (SDS).

Remark: The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.