



Silirub 989

Description

Silirub 989 is a flagship, high-performance, low odor, one - component weatherproof joint and glazing sealant, based on neutral silicone designed for durable weatherproofing and glazing applications. It is specifically engineered for façade joint sealing, delivering reliable long-term performance under dynamic environmental conditions prevalent in Indian Market.

Properties

- Easy to apply
- Compatible with PVB-film
- Compatible with sealants for double glazing based on polysulphides and silicones
- Permanently elastic after curing
- Excellent adhesion properties on glass, laminated glass, coated aluminum, galvanized steel, concrete, masonry & EPDM.
- Corrosion free
- Resistant against UV-radiation, rain, frost, wind, ozone and extreme temperatures



Application

- Weatherproof sealing of façade elements and in particular curtain walls.
- Sealing dynamically moving joints such as expansion and control joints.
- Perimeter joint sealing (windows, door panels, and frames etc.).
- Concrete panel joints.
- Excellent for double glazing system applications.

Technical data

Base		Polysiloxane
Consistency		Stable paste
Curing system		Moisture curing
Specific Gravity (g/ml)		1.40 ± 0.5
Skin formation (minutes)		ca. 8 to 10
Curing speed (mm/24h)		ca. 2 to 2.5
Hardness (Shore A, Points)	ISO 868 / ASTM D2240	37 ± 5
Elongation at Break (%)	ISO 37 / ASTM D412	≤ 750
Tensile Strength (N/mm ²)	ASTM D412 / ISO 37	≤ 1.8
Maximum allowed Distortion (%)	ASTM C719	± 50
Maximum allowed Distortion (%)	ISO 11600	± 25
Elasticity Modulus 100% (N/mm ²)	ASTM D412 / ISO 37	≥ 0.5
Elastic Recovery (%)	ISO 7389	> 80
Temperature Resistance (°C)		-40 to +180
Application Temperature (°C)		+5 to +40

Footnote: Skinning time and curing speed may vary depending on environmental factors such as temperature, moisture, and type of substrates.



Silirub 989

Substrates

- **Substrate condition**
The surface must be rigid, clean, dry, free of dust and grease.
- **Substrate preparation**
Silirub 989 has a good adhesion to most substrates. However, for optimal adhesion and in critical applications, such as joints exposed to extreme weather conditions, high or water-loaded joints, we recommend following a pre-treatment procedure. Porous surfaces can be prepared with a Soudal activator or cleaner.
- **Substrate types**
Silirub 989 has a good adhesion to all usual building substrates.
Silirub 989 is not suitable for PE, PP, PTFE (Teflon®), PVC, and bituminous substrates.

Due to the wide variety of materials used in façade technology a preliminary compatibility test is necessary.

Joint Size

Glazing and window applications:

Top sealing = minimum width 4 mm, depth at least 6 mm. Minimum joint width for connection joints around windows: 10 mm.

Weather seal and other applications: joint width 5 - 10mm: joint depth 5 mm.

Joint width 10 to 30 mm: depth = 1/2*width.

Application method

- **Application method**
Apply the product with a manual, pneumatic or a battery-operated caulking gun.
- **Cleaning method**
Swiftly clean with white spirit after usage to prevent residue accumulation & maintain equipment efficacy. Cured product must be removed mechanically.
- **Finishing method**
Utilize soapy water to wipe away excess caulking or sealant before it dries, ensuring a polished appearance.
- **Repair method**
Address any imperfections with Silirub 989 sealant, filling gap and smoothing for a flawless finish.

Health and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label and safety data sheet for more information.

Dangerous. Respect the precautions for use.

Packaging/Logistics

Colour: White, Black, Grey

Packaging: 405g / 350g Cartridge, 810g Sausage

Shelf life: 12 months from the date of production. The product must be stored in its original, undamaged, and sealed packaging under dry conditions, protected from direct sunlight, and at temperatures between +5°C and +25°C.



Silirub 989

Environmental Clauses

LEED Regulation:

Silirub 989 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.

Remarks

- Do not use as a structural glazing adhesive.
- The use of Soudal Surface Activator is recommended in combination with powder coated aluminum.
- A total absence of UV can cause a color change of the sealant.
- Discoloration due to chemicals, high temperatures, UV-radiation may occur. A change in color does not affect the technical properties of the product.
- 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. Therefore, we recommend only dipping the finishing tool in this solution.
- We strongly recommend not to apply the finishing solution in full sunlight as it will dry very fast in these circumstances.
- Do not use in applications where continuous water immersion is possible.
- Do not use on polycarbonate.
- Do not use on natural stones like marble, granite etc. (staining) use Soudalseal 212 CS or Silirub MA.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- Not suitable for bonding aquariums.
- Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discoloration and loss of adhesion.
- With the expanding range of coatings used in the fenestration industry, sealant compatibility with specific coating systems must be verified; therefore, a preliminary adhesion test is recommended prior to application.

This technical data sheet supersedes all earlier versions. The information provided is based on our tests and practical experience and is supplied in good faith as general guidance only, without creating any liability. Since materials, substrates, application design, and processing conditions vary widely and are outside our control, we cannot accept responsibility for the results obtained from use of this information. The user must verify suitability for the intended application through their own testing, and preliminary trials are recommended in all cases. The manufacturer reserves the right to change product specifications without prior notice.