



Silirub PS

Description

Silirub PS is a neutral cure silicone sealant particularly suitable for interior & exterior sealing application such as perimeter joints, weather sealing, connection joints.

Properties

- Easy to apply and tool
- Very good adhesion on many materials
- Easy to apply and tooling friendly
- Permanently elastic after curing
- Very good resistance to UV / ozone / vibration / moisture / airborne pollutants
- Non-slumping, can be used in overhead / vertical joints
- Very good resistance to ageing

Application

- Perimeter sealing of telecom shelters, uPVC and aluminum window/door frames, ACP panels, and glass facades.
- Top sealing between treated wood, PVC, aluminum, and glass.
- Suitable for all common building joints, including those with high movement capacity.
- Expansion joint sealing between diverse construction materials like brick, concrete, and wood.
- Ideal for container construction, general glazing and joint works.



Technical data

Base	Polysiloxane	
Consistency	Stable paste	
Curing system	Moisture curing	
Specific Gravity (g/ml)	1.01 ± 0.05	
Skin formation (minutes)	ca. 10	
Tack free time (minutes)	ca. ≤15	
Curing speed (mm/24h)	ca. 2	
Hardness (Shore A, Points)	ISO 868	30 ± 5
Tensile Strength (N/mm ²)	ISO 37	ca. 1.55
Elongation at Break (%)	ISO 37	≥400
Temperature Resistance (°C)	-50 to +150	
Application Temperature (°C)	+5 to +35	

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

Substrates

- Substrate condition
The surface must be rigid, clean, dry, free of dust and grease.
- Substrate preparation
Porous surfaces should be primed with Primer 150. If needed non-porous surfaces can be prepared with a Soudal activator or cleaner.
- Substrate types
Silirub PS has a good adhesion to all usual building substrates.



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Silirub PS is not suitable for PE, PP, PTFE (Teflon®), and bituminous substrates.

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

Joint Size

Joints in window glass and in window connections

Top sealing = minimum width 4 mm, depth at least 6mm

Minimum width window connection joints : 10 mm.

Weather seal and Other Application:

Three-point adhesion should be avoided at all times. Too small joint dimensions can have the effect that the silicone is pulled off because of too large movements.

Joint Width	Joint Depth
5 to 10 mm	5 mm
10 to 30 mm	Depth = $\frac{1}{2} \times$ 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 PS 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.

Keep the area well-ventilated during use and curing of the product.

Dangerous. Respect the precautions for use.

Packaging/Logistics

Colour: Translucent, Brilliant White, Black

Packaging: 278g Cartridge, 278g 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.

Remarks

- Do not use on natural stones like marble, granite, etc because of staining. We recommend Soudaseal 212 CS for those applications.
- Direct contact with the secondary sealing of insulating glass units (insulation) and the PVB-film of safety glass must be avoided.



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- In an acid environment or in a dark room, a white sealant can slightly turn yellow. Under the influence of sunlight, it will turn back to its initial color.
- A total absence of UV can cause a color change of the sealant.
- When finishing with a finishing- or soapy solution, make sure that the surface is not touched by this solution. This will cause the sealant not to adhere to that surface. Therefore, we recommend only dip 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 on polycarbonate.
- Not suitable for bonding aquariums.
- Do not use in applications where continuous water immersion is possible.
- Discoloration of the product due to chemicals, high temperatures, UV-radiation may occur.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- 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.
- Not suitable for use in structural glazing applications.
- Not suitable for bonding mirrors.
- 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.