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ALL PURPOSE SILICONE

Technical Data

Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 9 min
Curing speed* (23°C/50% R.H.)	Ca. 2 mm/24h
Hardness**	Ca. 16 ± 5 Shore A
Density	Ca. 1.38 g/mL
Elastic recovery (ISO 7389)**	> 80 %
Maximum allowed distortion (ISO 11600)	± 25 %
Max. tension (ISO 37)**	Ca. 1.10 N/mm² (MPa)
Elasticity modulus 100% (ISO 37)**	Ca. 0.26 N/mm² (MPa)
Elongation at break (ISO 37)**	> 700 %
Temperature resistance**	-60 °C → 150 °C
Application temperature	5 °C → 35 °C

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

** This information relates to fully cured product

Product description

All Purpose Silicone is a high performance, neutral cure, low odour, high quality all-rounder sealant for façade, glazing, sanitary, etc. application.

Available in 18 different colours matching most Colorbond® profiles.

Properties

- UV-resistant
- Very easy to apply
- Permanently elastic after curing
- Very good adhesion on many materials
- Mould resistant
- Very good moisture resistance
- Very good resistance to ageing
- Excellent adhesion properties on glass, Colorbond®, galvanised steel, concrete, etc.
- Food safe*
- WaterMark certified – Water potable
- Not paintable

Applications

- All usual building joints with high movement.
- Sealant joint works.
- Expansion joints between many different construction materials.
- Sealing between PVC, treated wooden and metal profiles and glass.
- Roof & Gutter, Bathroom & Kitchen, Glass & Glazing applications

Packaging

Colour: clear, brilliant white, titanium, alabaster, ivory, beige, stone, taupe, grey, misty grey, cement grey, medium grey, dark grey, aluminium, pewter, charcoal, black, moss green
Packaging: 300 mL cartridge

Shelf life

15 months in original, unopened packaging in a cool and dry storage place with temperature between +5°C and +25°C.

Substrates

Substrates: all usual building substrates
Nature: rigid, clean, dry, free of dust and grease.
Surface preparation: All Purpose Silicone 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 to follow a pretreatment procedure.

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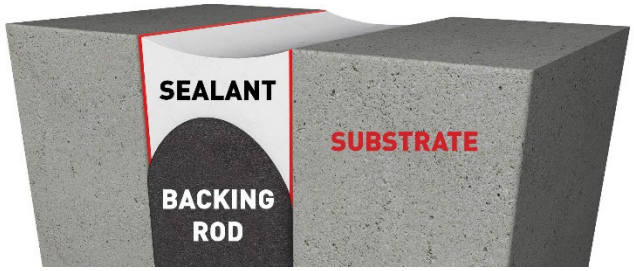
- Prepare non-porous surfaces with a Soudal **Surface Activator** or **Cleaner & Degreaser**.
- Prepare porous surfaces with Soudal **Primer 150**.

Not suitable for PE, PP, PTFE (eg. Teflon®), bituminous substrates, copper or copper-containing materials such as bronze and brass.

Due to the wide variety materials used in façade technology, we recommend a preliminary adhesion and compatibility test on every surface.

Recommended joint dimensions

	JOINT	
	Width	***Depth***
Min	*5 mm*	*5 mm*
Max	*30 mm*	*15*
Recommendation for sealing: ½ width = depth		



Glazing applications:

- Top sealing
  - min. width 4mm
  - depth at least 6 mm.
- Min. width for connection joints around windows: 10mm

Expansion joints:

- Joint width 5 - 10mm: joint depth 5mm.
- Joint width 10 - 30mm: depth=1/2 * width.

Recommended joint configuration for connection joints and joints subjected to shear: depth = width (min 5 mm).

Application method

Apply the product with caulking gun. Smoothen the joint with a spatula with the help of finishing solution. Avoid that soapy solution comes between the joint edges and sealant (to prevent adhesion loss).
Application method: With manual- or pneumatic caulking gun.
Cleaning: Clean with Soudal Surface Cleaner or with Soudal **Swipex**, immediately after use. Cured All Purpose Silicone can only be removed mechanically.
Finishing: With a soapy solution or Soudal **Finishing Solution** before skinning.
Repair: With the same material.

Colorbond colour match

All Purpose Silicone	Colourbond
Clear	-
Brilliant white	White haven
Titanium	Surf mist
Alabaster	-
Ivory	Classic cream
Beige	Paper back
Stone	Gully
Taupe	Jasper
Grey	Dune
Misty grey	-
Cement grey	-
Medium grey	-
Dark grey	Windspray
Alumunium	Citi
Pewter	Woodland grey
Charcoal	Monument
Black	Nigh sky
Moss green	Cottage green

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult label and material safety data sheet for more information. Use only in well-ventilated areas.

Remarks

- Not suitable as adhesive for structural glazing applications.
- Do not use on natural stones like marble, granite,...(staining). Use Soudal Silirub MA for this application.

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- Do not use for bonding mirrors.
- The use of Soudal Surface Activator is recommended in combination with powder coated aluminium.
- A total absence of UV can cause a colour change of the sealant.
- Discoloration due to chemicals, high temperatures, UV-radiation may occur. A change in colour 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 to 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 in applications where continuous water immersion is possible.
- Not suitable for bonding aquariums.
- Do not use on polycarbonate. Use Silirub PC instead.
- 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 discolouration and loss of adhesion.

Standards and certificates

- Complies with ISO 11600 F 25 LM
- Meets ISO 11600 G 25 LM
- AU: WaterMark WMTS-014:2016 Licence: WM-023300
- Food Safe: IANESCO Report #: E18-44979

Environmental clauses

Leed regulation:
All Purpose Silicone 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.

Liability

The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.