

Pureseal Kitchen & Bathroom AC

Revision: 20/4/2017

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Technical data

	Polysiloxane
Consistency	Stable Paste
Curing system	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 15 min
Curing speed * (20°C / 65% R.H.)	Ca. 2 mm/24h
Hardness	Ca. 20 ± 5 Shore A
Density	Ca. 1,03 g/ml
Elastic recovery (ISO 7389)	> 80 %
Maximum allowed distortion	25 %
Temperature resistance	-60 °C → 180 °C
Max. tension (DIN 53504)	Ca. 1,20 N/mm ²
Elasticity modulus 100% (DIN 53504)	Ca. 0,30 N/mm ²
Elongation at break (DIN 53504)	> 700 %
Application temperature	5 °C → 35 °C

(*) these values may vary depending on environmental factors such as temperature, moisture and type of substrates



Product description

Pureseal Kitchen & Bathroom AC is an ultra-premium pure silicone that contains no extenders.

Pureseal Kitchen & Bathroom Silicone AC contains powerful fungicides for long lasting resistance to mould and mildew in demanding sanitary conditions, is very easy to apply and tool in joints, remains permanently elastic and waterproof.

Properties

- Pure silicone, contains no extenders
- Long open time
- Excellent moisture and mould resistance
- Permanently elastic after curing
- Very good adhesion on many materials
- Colourfast and UV resistant
- Typical acetic smell

Applications

- Durable sealing of wide range of application including – sealing joints around bathtubs, vanities, shower screens, sinks and basins, toilets, fibreglass, tiles plumbing fixtures, vitreous enamel, glass, etc.

- Building and construction joints, especially sanitary and humid places.
- Top sealing in glazing

Packaging

Colour: transparent, white

Packaging: 300mL cartridge

Shelf life: 12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

Substrates

Substrates: all usual building substrates, ceramic tiles, aluminium, enamel, stainless steel, glass, etc.

Nature: clean, dry, free of dust and grease

Surface preparation: Porous surfaces in water loaded applications should be primed with Primer 150. All smooth surfaces can be treated with Surface Activator. There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates.

We recommend a preliminary testing prior.

Joint dimensions

Min. width for joints: 5 mm

Max. width for joints: 30 mm

Min. depth for joints: 5 mm

Remarks: This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the result obtained. Since the design, the quality of the substrate and processing conditions beyond our control, no liability under this publication are accepted. In every case, it is recommended to carry out preliminary experiments. Soudal reserves the right to modify the products without prior notice.

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Application method

- Detail: Ensure correct joint dimension and preparation, consult the technical bulletin "Joint Preparation & Joint Dimensions" on our website.
- Application method: With manual or pneumatic caulking gun.
- Surface cleaning: For best performance, clean with white spirits or Soudal Cleaner & Degreaser prior.
- Application: Apply into the joint and tool prior to skin formation.
- Clean up: Uncured with Soudal Swipex, Cleaner & Degreaser, white spirits. Cured with Sealant Remover.
- Finishing: With a soapy solution or Soudal Finishing Solution before skinning.
- Repair: With the same material
- Notes: Avoid that soapy solution comes between the joint edges and sealant (to prevent adhesion loss).

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label for more information.

Environmental clauses

Leed regulation:

Pureseal Kitchen & Bathroom AC 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.

Remarks

- Because of the acid nature, certain metals (eg copper, lead) can be affected.
- Do not use on natural stones like marble, granite,...(staining). Use Soudal Silirub MA or Silirub+ S8800 for this application.
- Do not use on polycarbonate. Use Silirub PC instead.
- The sanitary formula should not replace regular cleaning of the joint. Excessive contamination, deposits or soap remainings will stimulate the development of fungi.
- A total absence of UV can cause a colour change of the sealant.
- In an acid environment or in a dark room, white silicone can slightly turn yellow.
- Under the influence of sunlight, it will turn back to its initial colour.
- We strongly recommend not to apply the product in full sunlight as it will dry very fast.
- 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.
- Do not use in applications where continuous water immersion is possible.
- Direct contact with the secondary sealing of insulating glass units (insulation) and the PVB-film of safety glass must be avoided.
- Not suitable for bonding aquariums.

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