

PRODUCT DATA SHEET

PCPSIL-100**PCPSIL-100 ALL PURPOSE Premium Grade multi-purpose silicone sealant (Transparent)****Description:**

PCPSIL-100 All Purpose Silicone Sealant (transparent) is a one-component, neutral curing, premium grade silicone designed and tested for internal and external use. It is suitable for applications such as roofs & gutters, expansion joints (both internal & external), kitchens & bathrooms, and around plumbing fixtures.

Uses:

PCPSIL-100 All Purpose Silicone Sealant (transparent) is suitable for:

- General interior & exterior sealing
- Kitchens & Bathrooms
- Basins
- Baths
- Toilets
- Shower screens & tiled wet areas
- Bench-tops & Around splash-backs
- Roofs & Gutters
- Sealing windows & door frames

Features:

- One-component, room temperature, neutral curing silicone sealant.
- Excellent adhesion to various kinds of construction surfaces.
- Excellent weather resistant and fast curing
- High movement capability of +/-50% except for translucent colour.
- Flexible over a temperature range of -40°C to 150°C

Applications:

It is advisable to use masking tape when precise or clean joint lines are needed.

- Clean the substrate surfaces thoroughly with solvents such as toluene or acetone to ensure they are completely clean and dry.
- For a cleaner appearance, apply masking tape to the areas surrounding the joint before applying the sealant.
- Cut the nozzle to the desired size and extrude the sealant into the joint areas.
- Tool the sealant immediately after application and remove the masking tape before the sealant forms a skin.

Important Notices:

- Not suitable for materials that can effuse grease, plasticizer or solvent.
- Not suitable for frosty or moist surfaces.
- Not suitable for Natural stone, some porous materials and copper.
- Do not use if the surface temperature of the material is below 4°C or above 50°C.

Shelf Life:

12 Months. Please store at below 27°C in a cool and dry place. Avoid direct sunlight.

Volume: 300ml.

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Technical information:

PCPSIL-100 ALL PURPOSE silicone sealant - Transparent			
Performance		Standard	Measure Value
Testing Method			
Test at 50±5% RH and temperature 23±2°C			
Density (g/cm ³)		±0.1	1.01
Skin-Free Time (min)		≤180	5
Extrusion g/10S		/	9
Tensile Modulus (Mpa)	23°C	>0.4	0.6
	-20°C	or>0.6	/
105 °C weight lost , 24hr %		/	7
Slumpability (mm) vertical		0	0
Slumpability (mm) horizontal		≤3	0
Curing Speed (mm/d)		2	5
As Cured -After 21 days at 50±5% RH and temperature 23±2°C			
Hardness (Shore A)		20~60	25
Tensile Strength under Standard Conditions (MPa)		/	0.8
Elastic Recovery (%)		/	≥85
Elongation of Rupture (%)		/	250
Movement Capability (%)		/	20
Shelf Life		12 months	

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Basis of Product Data:

The product data presented herein is derived from laboratory testing and is intended solely for reference. Actual measurements may vary due to factors beyond our control.

IMPORTANT CONSIDERATIONS

- When applying sealant to a joint previously sealed with silicone, make sure to remove all residue from the joint.
- Color variations may occur due to exposure to chemicals, high temperatures, and UV radiation, particularly with white shades. This aesthetic change does not affect the product's technical performance or durability.
- PCPSIL-100 cannot be painted.
- Avoid using it on natural stone.
- It should not be applied to bituminous substrates, natural rubber, or any materials that may leach oils, plasticizers, or solvents, as these can compromise the sealant. Test EPDM or other gaskets for compatibility with PCPSIL-100 before application. For specific guidance, contact Sika technical services.
- Do not use on pre-stressed polyacrylate or polycarbonate, as it may lead to environmental stress cracking.
- Avoid using PCP-100 in areas exposed to strong oxidizing acids (e.g., nitric acid) or bases.
Do not use it to seal joints in or around swimming pools.
- It should not be used for joints under

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

Local Restrictions:

Please be aware that due to specific local regulations, the declared data for this product may vary by country. Refer to the local Product Data Sheet for precise product information.

Legal Notes:

The information provided, including the recommendations regarding the application and end-use of PCP products, is offered in good faith, based on PCP's current knowledge and experience when the products are properly stored, handled, and applied under normal conditions as per PCP's guidelines. However, due to variations in materials, substrates, and actual site conditions, no warranty, whether implied or expressed, regarding merchantability or fitness for a particular purpose, nor any liability arising from any legal relationship, can be derived from this information, any written recommendations, or any other advice provided. It is the responsibility of the user to test the product's suitability for the intended application and purpose. PCP reserves the right to modify the properties of its products. The proprietary rights of third parties must be respected. All orders are subject to our current terms of sale and delivery. Users must always consult the most recent edition of the local Product Data Sheet for the specific product, which will be provided upon request.