

PRODUCT DATA SHEET

Sikasil[®]-PRO

PROFESSIONAL KITCHEN & BATHROOM, SANITARY GRADE NEUTRAL SILICONE SEALANT

DESCRIPTION

Sikasil[®]-PRO is a one- component, neutral-curing, low odour silicone sealant with good adhesion and long shelf life for professional applications. Sikasil[®]-PRO cures at room temperature under the action of atmospheric moisture to give a permanently flexible silicone rubber.

USES

- Glass and enamel
- Ceramics and tiles
- Aluminium, steel, zinc, copper
- Plastic laminates
- Rubber
- Stainless steel
- Concrete and grouts

CHARACTERISTICS/ADVANTAGES

- Excellent adhesion
- Great weatherability
- Non-sag
- Great tooling characteristics
- Long term mould resistance
- Interior and exterior usage
- Fast curing

PRODUCT INFORMATION

Packaging	300ml cartridges. 25 cartridges per box
Colour	White, Beige, Black, Charcoal, Transparent, Alabaster, Taupe, Almond Ivory, Off White, Pewter, Grey, Mid Grey
Storage Conditions	12 months from date of production if stored in undamaged and unopened original sealed containers, in dry conditions and protected from direct sunlight at temperatures between +10°C and +30°C.
Density	1.01 ± 0.02
Chemical Base	Neutral curing
Skin/Forming Time	10-15 minutes @ 23°C/50% r.h.
Curing Rate	72 hours @ 23°C/50% r.h.
Consistency	Non-sag
Tensile Strength	0.4 N/mm ² @ 23°C/50% r.h.
Shore A Hardness	20 SHA (ASTM D2240)
E-Modulus	Max 0.4n/mm ²
Ultimate Elongation	>400% (ASTM D412)
Anti-mildew Property	0 level

SUBSTRATE PREPARATION

Ensure all surfaces are clean, dry and free from dust, grease and loose material. Cut off cartridge seal, cut nozzle to desired bead size and screw nozzle on to cartridge. Place cartridge into suitable caulking gun. Hold gun at 45° angle with nozzle in contact with both joint surfaces. Gun Sikasil®-PRO ahead of nozzle to ensure product is pushed into joint. For a cleaner result, mask both sides of the joint and remove tape before silicone skins. Smooth off before skin forms (within 15 minutes) with a spatula dipped in Sika Tooling Agent N. Sealant surface will skin in 10 -15 minutes and is fully cured within 72 hours. Allow full cure before the area is used. Fully cured sealant can be removed by trimming with a sharp blade, but avoid under cutting seal. Sikasil®-PRO can be cleaned from tools and hands with mineral turpentine before fully cured.

LIMITATIONS

- Sikasil®-PRO may be discoloured in contact with some organic elastomers, e.g. EPDM, APTK and neoprene.
- Sikasil®-PRO in White and Off White may discolour and turn yellow if subject to contamination from solvents contained in waterproofing membranes, plasticiser migration from tile adhesives, waterproofing agent or the use of chlorine based cleaners.
- Sikasil®-PRO is not recommended for applications involving contact with natural stone, such as marble, granite, quartzite, as it can cause staining.
- Sikasil®-PRO is not recommended for sealing of aquaria.
- Sikasil®-PRO is not recommended for structural glazing bonding. The curing time can be extended at lower temperature, low humidity or by low volume of air change.
- Sikasil®-PRO is not suitable for use as a mirror adhesive
- Sikasil®-PRO is not suitable for permanent submersed applications eg. Swimming pools.
- Sikasil®-PRO is not suitable for use as a mirror adhesive
- The use of non-prescribed tooling agents must be tested prior to use in applications to ensure they will not cause aesthetical changes (such as discolourations)

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.