BUILDING TRUST

PRODUCT DATA SHEET

Sikasil® Marine

Multipurpose Marine Adhesive Sealant

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base		1-component silicone
Colour (CQP001-1)		Translucent
Cure mechanism		Moisture-curing
Cure type		Neutral
Density (uncured)		1.0 kg/l
Application temperature	ambient	5 - 45 °C
Skin time (CQP019-1)		10 minutes [A]
Tack free time (CQP019-3)		20 minutes [A]
Curing speed (CQP049-1)	to a 3 mm depth	24 hours
Shore A hardness (CQP023-1 / ISO 48-4)		30
Tensile strength (CQP036-1 / ISO 527)		1.0 N/mm^2
Elongation at break (CQP036-1 / ISO 527)		600 %
Service temperature		-50 - 250 °C
Shelf life		18 months [B]

CQP = Corporate Quality Procedure A) 23 °C / 50 % r.h. B) storage below 25 °C

DESCRIPTION

Sikasil® Marine is a premium, neutral-curing silicone sealant that displays excellent adhesion to a wide range of substrates and provides a permanent, flexible bond or seal, even under the most extreme marine conditions.

PRODUCT BENEFITS

- Excellent thermal, vibration, UV and weathering resistance
- Adheres well to fibreglass, metals, glass, most plastics, varnished wood and painted surfaces
- Sanitary grade (long-term mould resistance)
- Non-corrosive
- Fast-curing and highly effective
- Easy to apply
- Potable water approved (meets AS4020 requirements)

AREAS OF APPLICATION

Sikasil® Marine is a multipurpose product designed for use in both sea and fresh water marine applications. It is suitable for sealing windows, hatches, fittings and instruments, as well as for bonding small components which are not subject to high loads.
This product is suitable for professional experienced users only. Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

CURE MECHANISM

Sikasil® Marine cures by reaction with atmospheric moisture. The reaction starts at the surface and proceeds to the core of the joint. The curing speed depends on the relative humidity and the temperature. At low temperatures the water content of the air is lower and the curing reaction proceeds more slowly.

METHOD OF APPLICATION

Surface preparation

Surfaces must be clean, dry and free from oil, grease and dust.
Sika® Remover-208 or another suitable solvent may be used for cleaning.

Application

To minimise smearing of surfaces with excess sealant, masking tape can first be applied to surrounding surfaces.
Cut the nozzle to the desired bead size then apply a continuous bead as required. For bonding, apply bead to only one surface. For sealing, push the sealant into the joint as it is being applied to ensure good wet out onto the surface.
Assemble parts and/or tool off any excess sealant before it skins over, then immediately remove any masking tape.
For more information, please contact the Technical Service Department of Sika Industry.

Removal

Uncured, excess Sikasil® Marine may be removed with Sika® Remover- 208 or another suitable solvent. Cured sealant can only be trimmed away or scraped off mechanically.
Hands and exposed skin should be washed immediately using SikaCleaner®- 350H or a suitable industrial hand cleaner and water.
Do not use solvents!

Overpainting

Sikasil® Marine cannot be overpainted. If a similar but overpaintable product is required, consider using Sikaflex®-291 marine adhesive sealant.

Application limits

Sikasil® Marine is not recommended for use on:
- below waterline applications (except as a mechanically compressed gasket seal)
- sealing joints subject to heavy traffic (e.g. deck caulking)
- pre-stressed polycarbonate or other plastic surfaces that are prone to stress cracking

Joints deeper than 15 mm should be avoided.
The above information is offered for general guidance only. Advice on specific applications will be given on request.

FURTHER INFORMATION

Copies of the following publications are available on request:
- Safety Data Sheet

PACKAGING INFORMATION

Cartridge	300 g
Tube	75 g

BASIS OF PRODUCT DATA

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

HEALTH AND SAFETY INFORMATION

For information and advice regarding transportation, handling, storage and disposal of chemical products, users shall refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety-related data.

DISCLAIMER

The information, and, in particular, the recommendations relating to the application and enduse 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.

Sika Australia Pty Limited
ABN 12 001 342 329
aus.sika.com
Tel: 1300 22 33 48