BUILDING TRUST
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PRODUCT DATA SHEET

Sikaflex® RV & Boat Sealant

Hybrid polymer sealant for RV, boat and trailer maintenance

PRODUCT DESCRIPTION

Sikaflex® RV & Boat Sealant is a one-component hybrid polymer sealant formulated for maintenance, repair and sealing applications on RVs, boats and trailers. It provides durable, elastic and flexible seals, bonds to a wide range of common materials and delivers reliable performance in outdoor environments exposed to weather and movement.

WHERE TO USE

Sikaflex® RV & Boat Sealant is designed for sealing and maintenance applications on RVs, boats and trailers. Bonds to a variety of common materials including fiberglass (FRP), wood, glass, metals, metal primers, paint coatings (2-part systems), ceramic materials, PVC and other plastics, with minimal pre-treatment. Suitable for windows, doors, storage compartments, trim, vents and other interior or exterior sealing applications exposed to weather and marine environments.

CHARACTERISTICS / ADVANTAGES

- Excellent ageing and weathering resistance
- Suitable for weather-exposed and marine environments
- Bonds to a wide variety of common materials with minimal pre-treatment
- Suitable for interior and exterior applications
- Low-emission, low-odor formulation
- Flexible and durable seal that accommodates joint movement
- High colour stability under UV exposure
- Overpaintable after curing
- High mold and mildew resistance
- Isocyanate-, solvent-, phthalate- and silicone-free

APPROVALS / CERTIFICATES

- EC1+ certified for very low emissions
- ISEGA certified for use in food processing and food preparation areas.
- Meets VDI 6022 hygiene requirements for ventilation and air-conditioning systems.

PRODUCT INFORMATION

Composition / Manufacturing	Silane Terminated Polymer (STP), moisture-curing
Packaging	300 mL (10.1 fl oz) Cartridge
Colour	Black and White
Shelf Life	12 months in unopened cartridge packaging
Storage Conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between 5 °C and 25 °C (41 °F and 77 °F).

Density	1.4 kg/L (uncured)	(ISO 1181-1)

TECHNICAL INFORMATION

Shore A Hardness	40	(ISO 48-4 / CQP023-1)
Tensile Strength	1.8 MPa (261 psi)	(ISO 527 / CQP036-1)
Shrinkage	2 %	(CQP014-1)
Tear Propagation Resistance	6 N/mm (34 lb/in)	(ISO 34 / CQP045-1)
Chemical Resistance	Resistant to fresh water, seawater, diluted acids and diluted caustic solutions. Not resistant to concentrated acids, concentrated caustic solutions or solvents. Not resistance against hydrocarbon solvents and fuels.	
Service Temperature	-40 °C to 70 °C (-40 °F to 158 °F)	(CQP513-1)
Elongation at break	400 %	(ISO 527 / CQP036-1)

APPLICATION INFORMATION

Yield	Theoretical coverage of approximately 8.3 m (27.3 ft) per cartridge for a 6 mm × 6 mm (¼" × ¼") joint.
Sagging	Non-sag
Product Temperature	5 °C to 40 °C (41 °F to 104 °F)
Ambient Air Temperature	5 °C to 40 °C (41 °F to 104 °F)
Skinning time	30 min at 23 °C (73 °F) and 50 % RH (CQP019-1)

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

WHERE TO USE

- Always test adhesion and material compatibility on the intended substrates before full application.
- Avoid application during significant temperature changes (mouvement during curing).
- Do not use Sikaflex® RV & Boat Sealant for sealing aquariums.
- For good workability, the adhesive temperature must be +20 °C.
- Application during high temperature changes is not recommended (movement during curing).
- Sikaflex® RV & Boat Sealant can be overpainted with most con ventional water-based coating and paint systems. However, paints must first be tested to ensure compatibility by carrying out preliminary trials. The best over-painting results are obtained when the adhesive is allowed to fully cure first. Note: non-flexible paint systems may impair the elasticity of the adhesive and lead to cracking of the paint film.
- Colour variations may occur due to the exposure in service to chemicals, high temperatures and/or UV radiation (especially with white colour shade). This effect is aesthetic and does not adversely influence the technical performance or durability of the product.
- Sikaflex® RV & Boat Sealant is a sealant and cannot be used for bonding applications.
- Do not use on natural rubber, EPDM rubber or on any building materials which might leach oils, plasticisers or solvents that could degrade the adhesive. Do not use on bituminous substrates. Do not use on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE / Teflon), and certain plasti cised synthetic materials.
- Sikaflex® RV & Boat Sealant is protected against mildew, all joints, even grouts, infected with mildew must be removed, cleaned and restored before Sikaflex® RV & Boat Sealant is applied.
- Do not use Sikaflex® RV & Boat Sealant for structural or butt glazing, or similar applications with high UV light exposure and high movements which can affect the adhesion.
- Do not use Sikaflex® RV & Boat Sealant for joints in and around swimming pools.
- Sikaflex® RV & Boat Sealant ist not resistance againgst chlorine water and other agressive desinfectants. Sikaflex® RV & Boat Sealant is not resistant against hydrocarbon solvents and fuels.

- Do not use Sikaflex® RV & Boat Sealant for movement joints in facades.
- Do not use Sikaflex® RV & Boat Sealantl for joints under water pressure or for permanent water immersion.

ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Surfaces must be clean, dry and free from grease, oil, dust and other contaminants. Surface preparation requirements may vary depending on the substrate. For best results, ensure all surfaces are sound and properly prepared before application.

APPLICATION

For best results, substrate and product temperatures should be between 15 °C and 25 °C (59 °F and 77 °F). At lower temperatures, product viscosity will increase and may affect ease of application.

Apply Sikaflex® RV & Boat Sealant using a standard caulking gun. Cut the nozzle to the desired bead size and apply a continuous bead to the prepared surface. Tool the sealant immediately after application to ensure proper contact with the substrate and a smooth finish. Complete tooling and finishing within the skin time of the product. Higher temperature and humidity conditions will reduce skin time.

Sikaflex® RV & Boat Sealant can be overpainted. Preliminary testing is recommended to verify paint compatibility and adhesion. The elasticity of paints is usually lower than that of sealants, which may lead to paint cracking in joint areas. For best results, allow the sealant to fully cure before overpainting.

CURING TREATMENT

Sikaflex® RV & Boat Sealant cures by reaction with atmospheric moisture. Curing speed will vary depending on temperature and humidity conditions. Lower temperatures and lower humidity levels will generally slow the curing process.
Avoid moving or stressing the joint until a skin has formed and curing has started. Protect the sealant from dirt, dust and cleaning products during curing. Allow the sealant to fully cure prior to placing into service.

CLEAN UP

Remove uncured Sikaflex® RV & Boat Sealant from tools and equipment immediately using a suitable solvent or cleaner. Once cured, the material can only be removed mechanically. Wash hands and exposed skin or use Sika® Cleaning Wipes-120.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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