

Sikaflex®-2K/MS

Two-Component, Fast-Curing Sealant

Technical Data

Chemical Base	Two-component silane-terminated polymer
Cure Mechanism	Poly-condensation
Density (uncured)	1.3g/cm ³
Application Temperature (product)	5°C to 30°C
Service Temperature (permanent)	-40°C to 90°C
Open Time ¹	Approx 10 minutes
Tack-Free Time ¹	10 minutes
Curing Speed	Approx 4 hours
Shore A Hardness (DIN 53505)	50
Tensile Strength (DIN 53504)	2.4 MPa
Elongation at Break (DIN 53504)	200%
Colour	Part A: White, Part B: Grey
Shelf Life (Storage below 25°C)	6 months
¹ 23°C and 50% Relative Humidity	

Description Sikaflex®-2K/MS is a fast-curing two-component sealant based on silane-terminated polymers. After curing, the sealant forms a permanent elastic joint. Sikaflex®-2K/MS is manufactured in accordance with ISO 9001 and ISO 14001 Quality Assurance Systems.

Product Benefits

- Builds strength quickly
- Bonds well to a variety of materials
- Requires limited pre-treatment
- Offers high strength and flexibility
- Contains neither isocyanates nor solvents
- Easy to apply

Areas of Application Sikaflex®-2K/MS is used where a strong and durable sealant is required; it is suitable for sealing wind-power components, such as composite blades. This product is suitable for professional experienced users only. Testing with actual substrates and conditions has to be performed to ensure adhesion and material compatibility.

Cure Mechanism Sikaflex®-2K/MS cures through chemical reaction between the two components. Higher temperatures accelerate the curing process while lower temperatures retard it.

Chemical Resistance Good resistance to water, various diluted acids, diluted alkalis, vegetable oil, mineral oil, salt solutions and kerosene. No resistance to organic solvents, gasoline, paint thinners, strong acids and strong alkalis. Joint design may affect long-term durability. Please consult Sika Canada Inc.'s Technical Services for advice on specific applications.



Method of Application	<p>Surface Preparation: Surfaces should be of sound quality, clean, dry, and free of oil and grease. Preliminary testing for optimal adhesion should be performed. The use of a primer may be required, particularly on metal substrates. Please consult Sika Canada Inc.'s Technical Services for advice on primer selection and use.</p> <p>Tooling and Finishing: Sikaflex®-2K/MS can be tooled smooth with Sika® Slick or lightly soapy water.</p> <p>Over-Painting: Sikaflex®-2K/MS may be over-painted, providing compatibility is established via preliminary testing. Baked enamels should not be applied until the sealant has attained full cure. NOTE: The hardness and film thickness of the paint may impair the elasticity of the sealant and lead to cracking of the paint film.</p>
Storage Conditions	To be kept between +5°C and +25°C in a dry place. Do not expose to direct sunlight or frost. After opening the packaging, protect the contents from atmospheric humidity. Minimum temperature during transportation is -15°C.
Further Information	Copy of the following publication is available upon request: Material Safety Data Sheet.
Packaging	Component A - Resin: 20 L Pails and 190 L Drums Component B - Hardener: 20 L Pails and 190 L Drums
Value Bases	All technical data stated in this Product Data Sheet are laboratory test-based. Current measured values may vary due to factors beyond our influence.
Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the current Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data for the appropriate type of substance. All Product Data Sheets and Material Safety Data Sheets are available on our website at: www.sika.ca .

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, within their shelf life. 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request or can be accessed in the Internet under www.sika.ca.

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