

**Sikaflex®-211 EMEA****Fast skinning sealant for interior applications**

## Typical Product Data

Chemical base	1-C polyurethane
Color (CQP <sup>1</sup> 001-1)	White, grey, black
Cure mechanism	Moisture-curing
Density (uncured) (CQP 006-4)	depending on color 1.55 kg/l
Non-sag properties	Good
Application temperature	5 – 40 °C
Skin time <sup>2</sup> (CQP 019-1)	35 minutes
Open time <sup>2</sup> (CQP 526-1)	25 minutes
Curing speed (CQP 049-1)	(see diagram)
Shrinkage (CQP 014-1)	5 %
Shore A-hardness (CQP 023-1 / ISO 868)	40
Tensile strength (CQP 036-1 / ISO 37)	1.3 MPa
Elongation at break (CQP 036-1 / ISO 37)	600 %
Tear propagation resistance (CQP 045-1/ ISO 34)	7 N/mm
Glass transition temperature (CQP 509 -1/ ISO 4663)	-45 °C
Short term	4 hours 120 °C
Service temperature	-40 – 80 °C
Shelf life (CQP 016-1)	storage below 25 °C 9 months

<sup>1)</sup> CQP = Corporate Quality Procedure <sup>2)</sup> 23 °C / 50% r.h.

**Description**

Sikaflex®-211 EMEA is a high-quality multi-purpose non-sag 1-C polyurethane sealant that cures on exposure to atmospheric humidity. It is designed for interior joints and where fast skinning properties are required.

**Product Benefits**

- Low residual tack
- Low odor
- Non-corrosive
- Can be sanded
- Bonds well to a wide variety of substrates

**Areas of Application**

Sikaflex®-211 EMEA adheres well to a wide variety of substrates and is suitable for permanent elastic seals in vehicle interiors. Suitable substrate materials are metals, metal primers and paint coatings (2-C systems), ceramic materials and plastics.

Seek manufacturer's advice before using on materials that are prone to stress cracking such as thermo plastic materials.

This product is suitable for experienced professional users only. Test with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.



## Cure Mechanism

Sikaflex®-211 EMEA cures by reaction with atmospheric moisture. At low temperatures the water content of the air is generally lower and the curing reaction proceeds somewhat slower (see diagram 1).

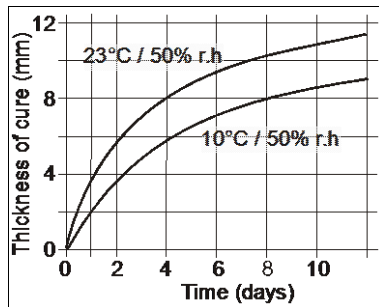


Diagram 1: Curing speed Sikaflex®-211 EMEA

## Chemical Resistance

Sikaflex®-211 EMEA is resistant to fresh water, seawater, limewater, sewage effluent, diluted acids and caustic solutions; temporarily resistant to fuels, mineral oils, vegetable and animal fats and oils; not resistant to organic acids, alcohol, concentrated mineral acids and caustic solutions or solvents.

The above information is offered for general guidance only. Advice on specific applications will be given on request.

## Method of Application

### Surface preparation

Surfaces must be clean, dry and free from grease, oil and dust. As a rule, the substrates must be prepared in accordance with the instructions given in the corresponding Sika Pre-treatment Chart.

Advice on specific applications is available from the Technical Department of Sika Industry.

## Application

Cut off the tip of the nozzle to suit joint width and apply the sealant into the joint with a suitable hand operated or compressed-air gun, taking care to avoid air entrapment.

The optimum temperature for substrate and sealant is between 15 °C and 25 °C.

For advice on selecting and setting up a suitable pump system, contact the System Engineering Department of Sika Industry.

## Tooling and finishing

Tooling and finishing must be carried out within the skin time of the sealant. We recommend the use of Sika® Tooling Agent N. Other finishing agents must be tested for suitability / compatibility.

## Removal

Uncured Sikaflex®-211 EMEA can be removed from tools and equipment with Sika® Remover-208 or another suitable solvent. Once cured, the material can only be removed mechanically.

Hands and exposed skin should be washed immediately using Sika® Handclean Towel or a suitable industrial hand cleaner and water. Do not use solvents on skin!

## Further Information

Copies of the following publications are available on request:

- Safety Data Sheets
- Sika Pre-treatment Chart
- For 1-component Polyurethanes
- General Guidelines - Bonding and Sealing with Sikaflex®.

## Packaging Information

Unipack	600 ml
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## Basis for Product Data

All technical data stated in this Product Data Sheet 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 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.

Further information available at:  
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