

## PRODUCT DATA SHEET

# SikaMembran®-200 FSA

Self-adhesive, vapor permeable and air barrier membrane

## TYPICAL PRODUCT DATA

Chemical base		Polypropylene
Colour		Red
Mass per unit area		0.3 kg/m <sup>2</sup>
Thickness		0.65 mm
Equivalent air layer thickness $s_d$	$s_d$ value	0.039 m
Application temperature	ambient	5 – 40 °C
Tear propagation resistance (CQP045-4)	Longitudinal	412 N
	Transverse	286 N
Service temperature		-40 – 100 °C
Shelf life		18 months <sup>A)</sup>

CQP=Corporate Quality Procedure

<sup>A)</sup>Stored in dry conditions between 5 and 25°C and protected from direct sunlight

## DESCRIPTION

SikaMembran®-200 FSA is a self-adhesive, weather resistant and vapor permeable membrane ( $s_d$  value 0.039 m), providing an airtight seal.

## PRODUCT BENEFITS

- Class B-s1, d0 according to BS EN 13501-1:2007+A1:2009 (tested over 12mm calcium silicate / fibre cement board according to BS EN 13823:2010). Test reports on other substrates may provide lower classifications and are available on request.
- Self-adhesive membrane
- Airtight and vapor permeable
- BBA certified
- Good resistance to punctures and tears
- Lightweight and easy to install
- Can be left exposed for up to 120 days during construction
- Free from Volatile Organic Compounds

## AREAS OF APPLICATION

SikaMembran®-200 FSA is used on walls with a cavity or behind a rainscreen cladding system. It adheres to concrete and other weather boards.

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.

## DESIGN CONSIDERATION

Design details need to be determined by the responsible building engineer.  
Always follow local construction and fire regulations.

## METHOD OF APPLICATION

### Surface Preparation

Prior to the application of SikaMembran®-200 FSA ensure that substrates are sound, clean, dry, free from dust, grease, oil and loose particles.

### Application

Keep SikaMembran®-200 FSA in the original packaging which also functions as a dispenser. Measure application area and cut the material to the required length.

Starting at the corner, peel back release paper by approx. 150 mm.

Fold the release paper back and using a hand roller, lightly apply the exposed adhesive surface to the prepared substrate.

Allow rest of rolled up material to drop down with release paper still attached. Check for proper alignment and when aligned, use a hand roller to apply pressure across the entire adhered section.

Pull off the release paper from the dropped down roll and smooth out any air bubbles with a roller.

Proceed with next row, ensuring vertical and horizontal overlaps are a minimum 75 mm. Upper layers of SikaMembran®-200 FSA must overlap lower layers so to shed water away from the sheathing. Vertical joints must be staggered wherever possible.

## Application Limits

SikaMembran®-200 FSA is not resistant to mineral oils, petroleum, benzene, fuel and toluene etc.

Failure to hand roller the membrane effectively will result in poor adhesion to the substrate. Poor adhesion will result in air pockets (bubbles) appearing, especially when SikaMembran®-200 FSA is facing into direct sunlight. To remedy this use a hand roller to ensure adhesion to the substrate.

SikaMembran®-200 FSA should only be applied in dry weather when the surface temperature is 5 °C or above and 3 °C higher than the dew point temperature of the air in order to avoid the formation of condensation on the surfaces. Do not install SikaMembran®-200 FSA in adverse weather conditions.

SikaMembran®-200 FSA requires protection from heavy / prolonged rainfall and extreme weather events whilst being installed. Waterproofing materials (e.g. tarpaulins) should be utilized as necessary to ensure the leading edges of all membranes and interior spaces are protected until the primary cladding and roofing is in place.

SikaMembran®-200 FSA must not be applied in areas where it will be permanently exposed to UV light, such as behind open jointed cladding.

## PACKAGING INFORMATION

Length [m / roll]	50
Width of rolls [mm]	100 or 1500

## FURTHER INFORMATION

The information herein is offered for general guidance only. Advice on specific applications is available on request from the Technical Department of Sika Industry.

Copies of the following publications are available on request:

SikaMembran®-200 FSA Installation Guide

## 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

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.

## 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.

## PRODUCT DATA SHEET

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