

## PRODUCT DATA SHEET

# SikaMembran® Universal

Vapor/waterproofing membrane for facades - low vapor permeability

## TYPICAL PRODUCT DATA

Chemical base	Elastic EPDM - Butyl modified
Color	Black
Mass per unit area	0.8 kg/m <sup>2</sup>
Thickness	0.6 mm
Diffusion resistance coefficient (DIN 53122-1)	μ 103 000
Equivalent air layer thickness	s <sub>d</sub> value 62 m
Elongation at break (ISO 37)	350 %
Application temperature	5 – 40 °C
Tensile strength (ISO 37)	5.5 MPa
Tear propagation resistance (CQP045-1 / ISO 34)	8 N/mm
Ozone resistance (DIN 1431-1)	200 pphm, 40 °C, 20 % Elongation, 168 h
Service temperature	-40 – 90 °C
Shelf life	18 months <sup>A</sup>

CQP = Corporate Quality Procedure

<sup>A)</sup> stored in dry conditions between 5 and 30 °C and protected from direct sunlight

## DESCRIPTION

SikaMembran® Universal is an EPDM sheet membrane with a high vapor diffusion resistance (s<sub>d</sub> value 62 m) and is thus applicable on both the warm (high vapor pressure) and the cold (low vapor pressure) side of the construction under most climatic conditions.

The SikaMembran® system is a high-performance vapor control system comprising of various EPDM sheet membranes providing vapor control layers and waterproof barriers for curtain walls. They are suitable for most climatic conditions in combination with the appropriate adhesive.

## PRODUCT BENEFITS

- Highly flexible waterproofing and vapor control system
- Fast, easy and secure application even in corners
- Provided with CE-mark according to EN 13984: 2011
- Meet fire retardant requirements of EN 13501-1 Class E under free suspension
- No additional mechanical fixing necessary
- Membrane pre-treatment free
- Suitable for uneven substrates (blowholes in concrete), leveling of substrate by adhesive
- Suited to site conditions
- Durable bond and barrier/seal
- Ozone- and UV-resistant

## AREAS OF APPLICATION

The flexible SikaMembran® sheets, installed between structure and incorporated units (e.g. facade elements, windows, etc.) using SikaBond® TF plus N adhesive, provide a secure and durable vapor barrier and waterproof seal at junctions between building elements mainly in curtain wall facades but also in ventilated facades and window installations.

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.

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