

# SikaMembran®-800 Permeable

Sustainability Portfolio Management (SPM) is the mechanism used by Sika to evaluate and classify its products in defined segments in terms of Performance and Sustainability. Sika’s SPM Methodology is based on and conforms with the WBCSD’s Chemical Industry Methodology for Portfolio Sustainability Assessments (PSA). The methodology includes a Sustainability evaluation step involving a detailed evaluation of the product against a range of criteria covered within the 12 most material Sustainability Categories for Sika.

The relevant Sustainability Categories for this product are highlighted in the infographic below.



## SikaMembran®-800 Permeable

### MORE PERFORMANCE — MORE SUSTAINABLE

MORE PERFORMANCE MORE SUSTAINABLE stands for Sika's product innovation through a unique combination of higher performance and proven sustainability benefits. A Sustainable Solution is a product which combines superior performance with a significant sustainability contribution for customers within its technology and application.

### PRODUCT CHARACTERISTICS AND BENEFITS

SikaMembran®-800 Permeable is a highly flexible membrane that serves as a vapor permeable and waterproof barrier for curtain walls, ventilated facades and window installations.

Uniquely, the next generation of SikaMembran® is only about half as thick as the previous generation, significantly reducing raw material and energy consumption. Although SikaMembran®-800 Permeable is exceptionally thin, it has the same or better mechanical performance than the previous generation and offers added value to the installer through the characteristics of smooth application.

### CLIMATE: REDUCED CARBON FOOTPRINT

SikaMembran®-800 Permeable has a reduced carbon footprint because of being about half as thick as the previous generation with same or better product properties. SikaMembran®-800 Permeable shows an approx. 53% reduction in Global Warming Potential (GWP) as the previous SikaMembran® generation. This corresponds to approx. 0.57 kg of CO<sub>2</sub> saved per m<sup>2</sup> membrane.

- A Life Cycle Assessment (LCA) was conducted to generate the GWP figures presented in this factsheet. The goal of the LCA was to compare the formulation of both the previous and this new generation membrane in order to evaluate the impact of the new membrane.
- LCA is a standardized method used to assess and compare the inputs, outputs and potential environmental impacts of products and systems. The LCAs conducted internally by Sika are performed according to ISO 14040 and EN 15804 standards and make use of the CML 2001 impact assessment methodology. Sika LCAs makes use of Sika and industry-standard data.

### RESOURCES AND CIRCULAR ECONOMY

Since the SikaMembran®-800 Permeable is only about half as thick as the previous generation, the energy required for production from raw material production to compounding to further processing of the compounds into the membrane, including transport from the cradle to the construction site, results in resources savings.

### AIR QUALITY AND EMISSIONS: VOC AND OIL FREE

SikaMembran®-800 Permeable is VOC and solvent free and free of oil.

### GREEN BUILDING AND REGULATORY TRENDS: MEETS LEED V4 REQUIREMENTS

SikaMembran®-800 Permeable conforms on the LEED v4 MR credit 4 option 2 credit Building product disclosure and optimization, thus directly contributing to the attainment of 1 points under this credit. In addition, the product meets the highest requirements of ecobau and Minergie-ECO with regard to ecological and health specifications and receives the eco1 rating. The confirmation entitles the use of the designation "eco1". Very suitable for Minergie-(A-/P-)ECO - Conforms to 1st priority ecoBKP/ecoDevis.

The information contained herein and any other advice 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. The information only applies to the application(s) and product(s) expressly referred to herein and is based on laboratory tests which do not replace practical tests. In case of changes in the parameters of the application, such as changes in substrates etc., or in case of a different application, consult Sika's Technical Service prior to using Sika products. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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.