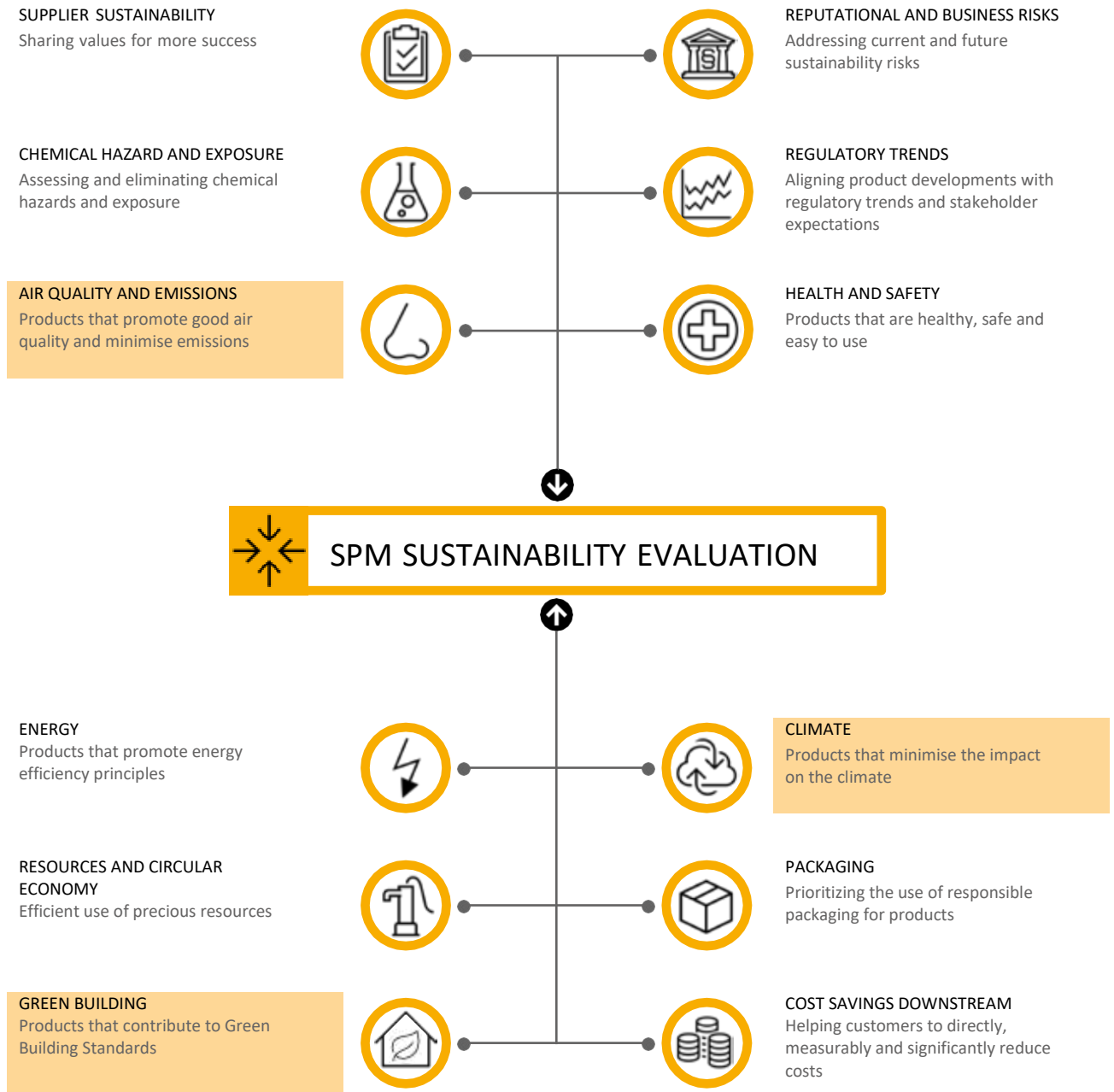


SikaProof® A+ 12

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.



SikaProof® A+ 12

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

SikaProof® A+ 12 is a polyolefin (FPO) based sheet membrane for gas and waterproofing of underground concrete structures. A special bonding layer on the membrane forms a full and permanent dual bond (mechanical & chemical) with the concrete structure.

With every 100 m² applied, Sika customers benefit from:

- approx. 6 kg CO₂ eq. savings
- a direct contribution to Green Building Standards
- a safe and healthy environment protected from radon gas

CLIMATE: REDUCED CARBON FOOTPRINT

SikaProof® A+ 12 has a reduced carbon footprint as a result of the implementation of a new technology with a centralized and simplified production process compared to the previous generation of fully bonded membranes. The saving potential can be grown further when a possible thickness reduction, a reduced amount of reinforcement and an increased longevity of the concrete structure due to the use of the SikaProof® A+ 12 membrane are considered.

- A Life Cycle Assessment (LCA) was conducted to generate the GWP figures presented in this factsheet. The goal of the LCA was to evaluate and compare the impact of the new generation of fully bonded membranes SikaProof® A+ with existing products.
- LCA is a standardized method used to assess and compare the inputs, outputs and potential environmental impacts of products and systems. The LCA for SikaProof® A+ was conducted by Sika Technology AG and verified by the program operator BRE Global Ltd in accordance with the requirements of the EN 15804 standard.

GREEN BUILDING: MEETS LEED V4 REQUIREMENTS

SikaProof® A+ 12 is part of the Sika LEED product portfolio and contributes towards satisfying two credits under LEED v4, thus contributing towards 2 points. More details about the contribution to each credit are given in the Sika LEED Attestations.

- LEED v4 MRC 2 (option 1): Building Product Disclosure and Optimization – Environmental Product Declarations
- LEED v4 MRC 4 (option 2): Building Product Disclosure and Optimization - Material Ingredients

AIR QUALITY AND EMISSIONS: EFFICIENT RADON BARRIER

SikaProof® A+ 12 is a proven radon barrier, that efficiently protects underground structures and promotes safe and healthy habitable space. It was tested by an external laboratory and certified as radon tight according to the German convention.

- SikaProof® A+ 12 has a radon diffusion coefficient of $5.45 \cdot 10^{-13} \text{ m}^2 \cdot \text{s}^{-1}$.
- A German convention based on the work of G. Keller, University of Saarland assesses a material as radon tight, when the thickness is greater than 3 times the diffusion length.

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.