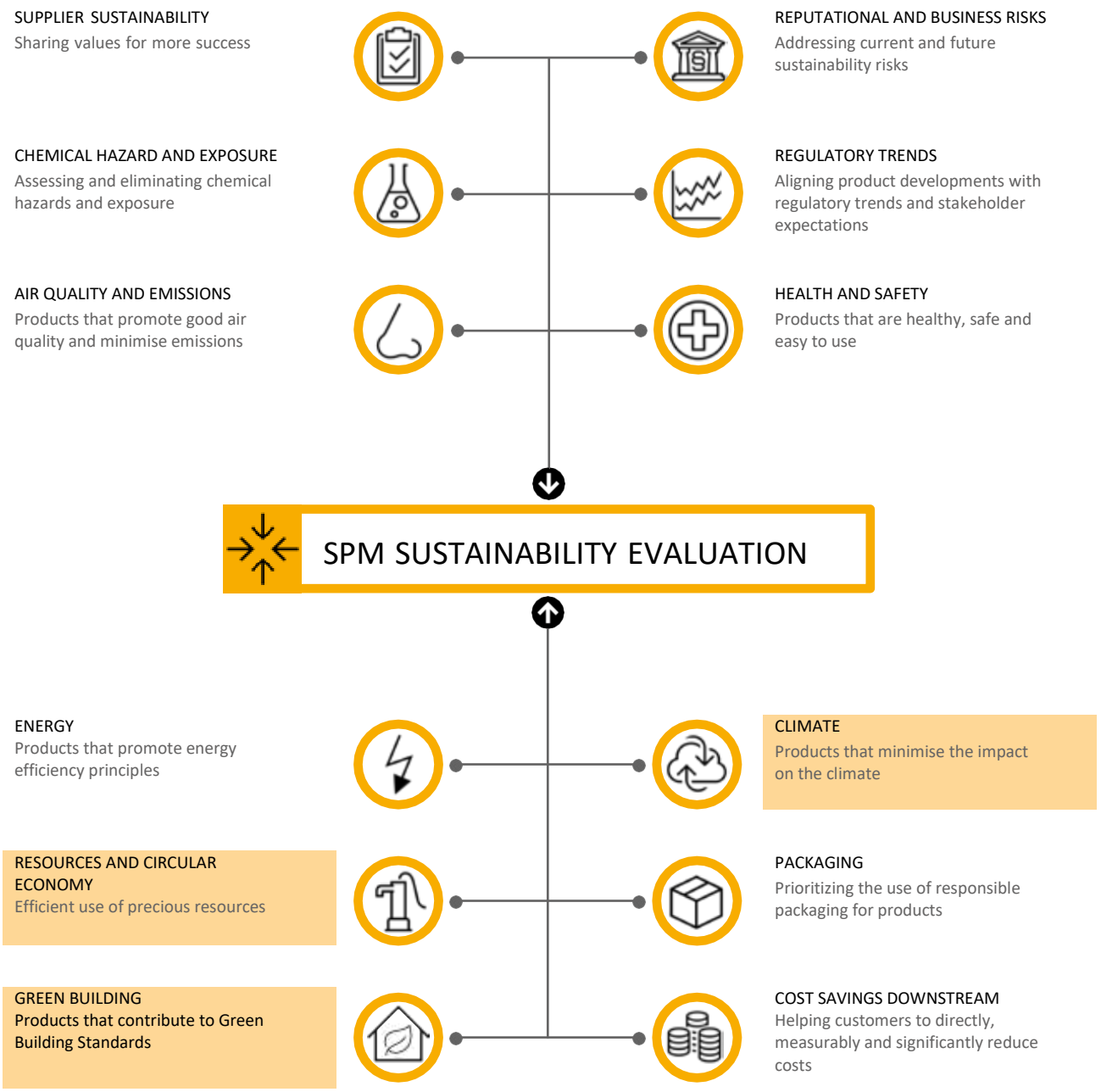
Sikagard®-5500

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.



Sikagard®-5500

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

Sikagard®-5500 is a 1-part, water-based, elastic protective coating for concrete. It has very high static and dynamic crack-bridging abilities on a wide temperature range. By applying 1,000 m² of Sikagard®-5500 using typical consumptions, customers benefit from:

- approx. 250 kg CO2-eq savings
- dispersion based on 100% renewable feedstocks
- direct contribution to LEED v4

CLIMATE: REDUCED CARBON FOOTPRINT

Sikagard®-5500 has a reduced carbon footprint because of the replacement of fossil-based dispersions with dispersions based on renewable feedstocks in its formulation, among other optimizations. When compared to a reference water-based elastic protective coating, Sikagard®-5500 shows an approx. 30% reduction in Global Warming Potential (GWP). This corresponds to approx. 250 kg of CO2 saved per 1,000 m2 applied (assuming typical application for a typical project size with 600 kg product consumption).

- A Life Cycle Assessment (LCA) was conducted to generate the GWP figures presented in this fact sheet. The goal of the LCA was to compare the formulation of the coating using dispersions derived from renewable feedstocks to the reference coating containing fossil-based dispersions to evaluate the impact of the improved formulation.
- LCA is a standardized method used to assess and compare the inputs, outputs and potential environmental impacts and benefits 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 make use of Sika, raw material supplier, and industry-standard data.

RESOURCES & CIRCULAR ECONOMY: DISPERSIONS BASED ON RENEWABLE FEEDSTOCKS

Sikagard®-5500 contains raw materials derived from renewable resources. When compared to a reference water-based elastic coating, the formulation of Sikagard®-5500 entails a 100% substitution of fossil-based dispersion with an alternative dispersion based on renewable feedstocks, via biomass balance.

- When compared to a reference water-based elastic protective coating, fossil resources are saved with Sikagard®-5500 due to the use of sustainably certified renewable raw materials.

GREEN BUILDING: MEETS LEED V4 REQUIREMENTS

Sikagard®-5500 is part of the Sika LEED product portfolio and conforms on two LEED v4 credit requirements, thus directly contributing to the attainment of 2 points. More details about the individual credit fulfillment are given in the Sika LEED Attestations.

- LEED v4 MRc 2 (Option 1): Building Product Disclosure and Optimization – Environmental Product Declarations
  → contribution to the attainment of 1 full point under this credit.
- LEED v4 MRc 4 (Option 2): Building Product Disclosure and Optimization – Material Ingredients
  → contribution to the attainment of 1 full point under this credit.