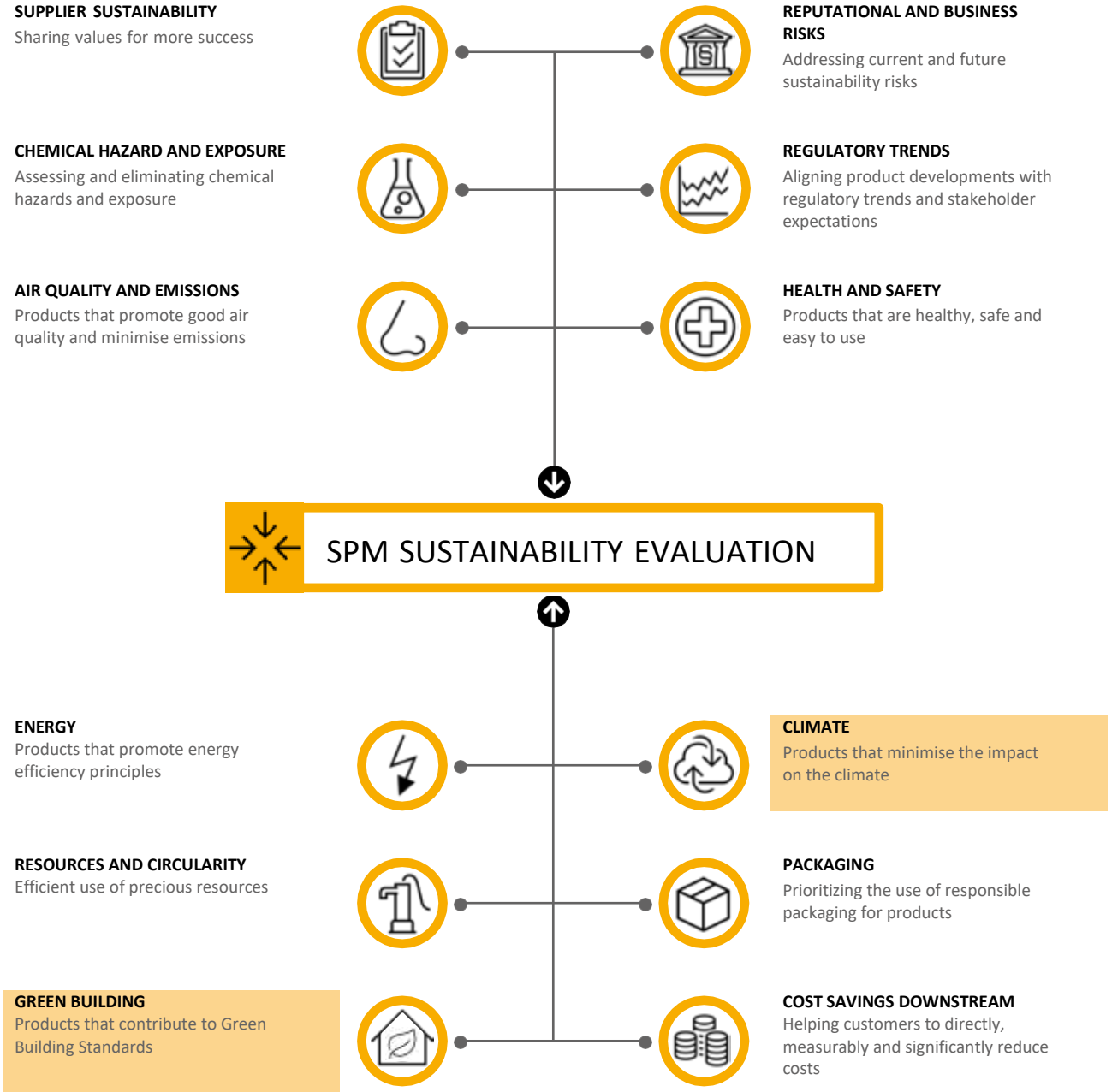
# Sikafloor®-2 SynTop

Sustainability Portfolio Management (SPM) is the methodology used by Sika in order to evaluate and classify its products in defined market segments in terms of performance and sustainability. The outcome of the SPM evaluation is a portfolio of "Sustainable Solutions" – products with combined significant sustainability and performance benefits.

The evaluation criteria that fall under the sustainability category of SPM are presented in the infographic below.



# Sikafloor®-2 SynTop

## SUSTAINABLY IMPACTFUL

The perfect balance of optimized performance and sustainability engineered for a durable and more responsible future.

Sika's Impact products, assessed by the Sika Sustainable Portfolio Management (SPM) methodology, deliver both optimized performance and sustainability benefits. Designed to be fit for purpose, these advanced solutions meet the highest standards in sustainability. Our Sustainability Impact Areas drive progress toward a sustainable future by addressing key priorities: Carbon Emission Reduction, Durability, Circularity, Resource/Material Consumption, Waste Management, Energy Consumption, Health and Safety, and Green Building Contribution.


## PRODUCT CHARACTERISTICS AND BENEFITS

Sikafloor®-2 SynTop s a high performing and sustainable pre-blended, dry shake hardener for concrete providing long-term durability, high abrasion resistance, dustproofing, low permeability and safety topping for monolithic floors.

With one 25 kg bag of mortar, Sika customers benefit from:

- approx. 0.9 kg $CO_2$ savings
- direct contributions to LEED v4

## CLIMATE: REDUCED CARBON FOOTPRINT

The carbon footprint of Sikafloor®-2 SynTop is 16% lower than the carbon footprint of the internal reference[1]. The reduction in the carbon footprint of Sikafloor®-2 SynTop was achieved by the replacement of Portland cement by Supplementary Cement Materials (SCM) within its formulation.

Further details about the calculation:

- A Carbon Footprint Study was conducted to generate the carbon footprint reductions presented in this factsheet based on ISO 14044.
- The reduction in carbon footprint presented is based on IPCC AR6 GWP100 incl. biogenic $CO_2$ as well as land use and land use change (luluc).
- The goal of the CF study was to compare the raw material composition of Sikafloor®-2 SynTop, produced in Czech Republic, with the carbon footprint reduction of the improved formulation. The comparison was calculated on a per kg basis as the two formulations are functionally equivalent.
- The life cycle stage included in the calculation is the production of raw materials (cradle to raw material) because the focus of the product development was to improve the formulation, which represents the largest share of the product carbon footprint. Transport and manufacturing processes are similar for both products.
- The LCI used for the CF calculation consists of secondary data from Sphera MLC Databases which are generic or average representations of the raw materials, as well as primary data from suppliers if available. The regional, technological and time related representativeness of the Carbon Footprint are good[2].

## GREEN BUILDING STANDARDS: Contribution to LEED

Sikafloor®-2 SynTop is part of the Sika LEED product portfolio and contributes toward satisfying 3 credits under LEED v4/v4.1. More details about the contribution to each credit are given in the respective Sika LEED Attestations.

### LEED v4

***Direct contribution***

- **LEED v4 MR Environmental Product Declarations - Option 1: EN 15804 – Product-specific**
  Contributes towards satisfying Materials and Resources (MR) Credit: Building product disclosure and optimization — Environmental Product Declarations: Option 1 under LEED® v4 — 1 point
- **LEED v4 MR Sourcing of Raw Materials - Option 2: Leadership Extraction Practices – Recycled Content**

[1] *The internal reference is the best-selling product in the Product Technology Application Combination (PTAC), a unique combination of the application and market segment, brand family and technology of a given product, which ensures a homogenous approach, as products in a well-defined segmentation will have a similar sustainability profile. More details can be provided upon request.*

[2] *The CF study has not been independently reviewed for conformance with ISO 14044. The calculation has been conducted involving Sika's R&D and LCA specialists under consideration of Sika's internal quality assurance processes.*

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Contributes towards satisfying Materials and Resources (MR) Credit: Building Product Disclosure and Optimization — Sourcing of Raw Materials: Option 2 under LEED® v4 — 1 point

- **LEED v4 MR Building Product Disclosure and Optimization - Material Ingredients - Option 2: Material Ingredient Optimization - REACH Optimization**
  Contributes towards satisfying Materials and Resources (MR) Credit: Building Product Disclosure and Optimization — Material Ingredients: Option 2 under LEED® v4 — 1 point



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