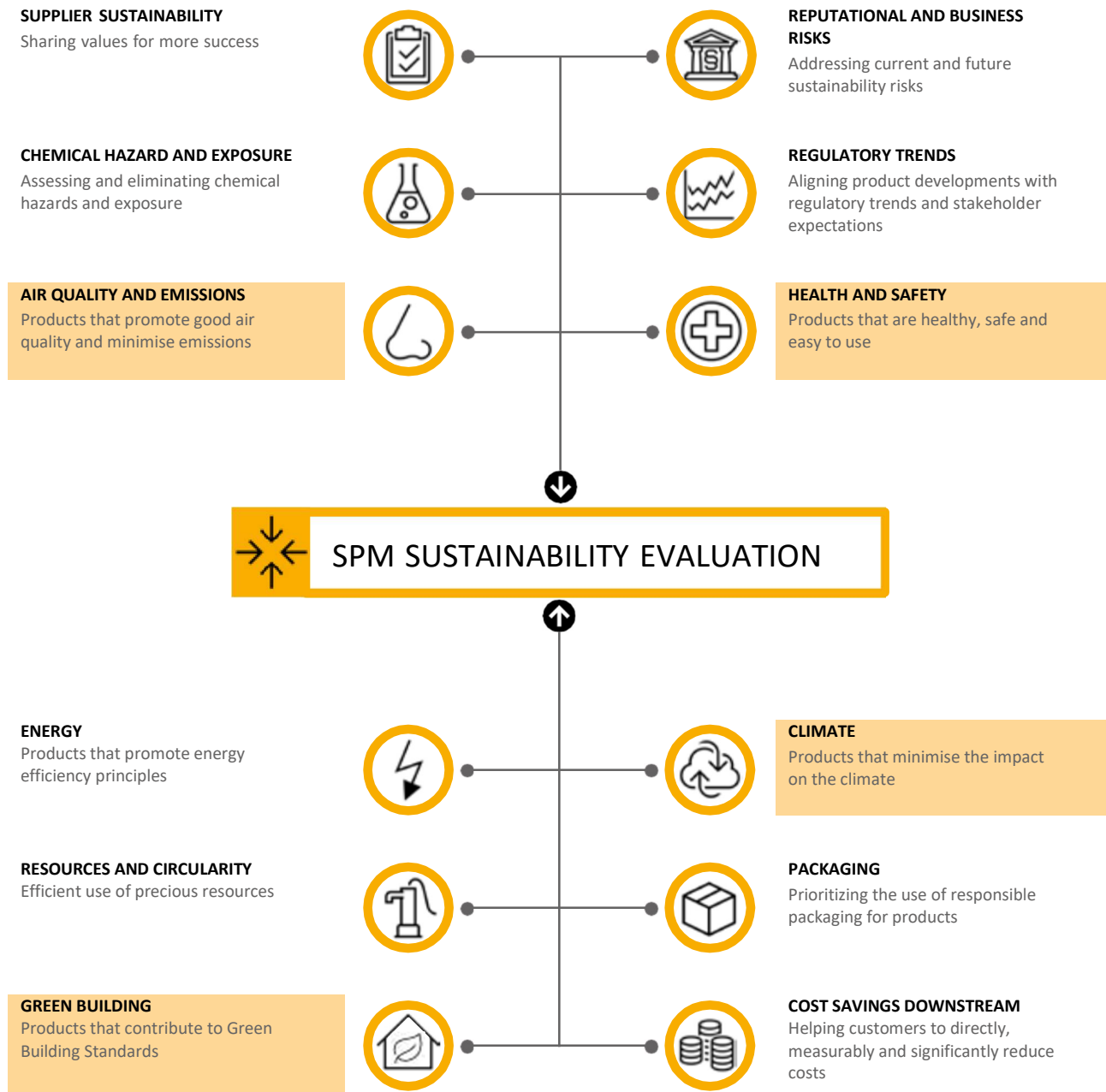


SUSTAINABILITY FACT SHEET

Sikadur®-42+ HE Cold Climate

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.



Sikadur®-42+ HE Cold Climate

MORE PERFORMANCE
MORE SUSTAINABLE

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 in a given application which combines superior performance with a significant sustainability contribution within its technology range for our customers.

PRODUCT CHARACTERISTICS AND BENEFITS

Sikadur®-42+ HE Cold Climate is a new, 3-part, high-performance, moisture-tolerant epoxy grout which develops high early strength. It is suitable for many static or dynamic precision grouting applications. It has a layer thickness of 10 mm to 150 mm and an application temperature range of +5 °C to +30 °C. Sika customers benefit from:

- **CLIMATE:** ~30% reduced carbon footprint of the raw materials in comparison to internal reference product
- **AIR QUALITY AND EMISSIONS:** low dust formation during handling
- **HEALTH AND SAFETY:** C-Component no more classified as irritant
- **GREEN BUILDING:** direct contribution to LEED v4

CLIMATE: REDUCED CARBON FOOTPRINT

The carbon footprint of Sikadur®-42+ HE Cold Climate is ~30% lower than the carbon footprint of the internal reference epoxy resin-based grout¹. The reduction in the carbon footprint of Sikadur®-42+ HE Cold Climate was achieved by reducing organic ingredients and replacing with inorganic compounds

Further details about the calculation can be found in supporting information:

- 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 CO₂ as well as land use and land use change (luluc).
- The goal of the CF study was to compare the raw material composition of this product, produced in Europe, with the internal reference to evaluate the carbon footprint reduction of the improved formulation. The comparison was calculated on a per kilogram 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 fair².

AIR QUALITY AND EMISSIONS: REDUCED DUST FORMATION

Sikadur®-42+ HE Cold Climate shows demonstrable dust reduction (approx. 50%) compared to the internal reference epoxy resin-based grout, based upon suitable scientifically internal laboratory test.

There are currently no European standardized and official limit values, of which dust classes or the like derive. For this reason, the test results are compared to a defined internal reference. The dust level is evaluated by the dust index-level taken over a period of 30 seconds.

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 and 14067. The calculation has been conducted involving Sika's R&D and LCA specialists under consideration of Sika's internal quality assurance processes.

Sikadur®-42+ HE Cold Climate

HEALTH AND SAFETY

- The C-Component of Sikadur®-42+ HE Cold Climate is no more classified as irritant and is therefore safer during application.

GREEN BUILDING: MEETS LEED V4 REQUIREMENTS

Sikadur-42+ HE Cold Climate is part of the Sika LEED product portfolio and contributes toward satisfying two credits under LEED v4/v4.1. More details about the contribution to each credit are given in the respective Sika LEED Attestations.

- LEED v4/v4.1 MR Environmental Product Declarations (Option 1): Sikadur-42+ HE Cold Climate has a product specific EPD and contributes toward satisfying 1 point
- LEED v4/v4.1 MR Material Ingredients (Option 2): Sikadur-42+ HE Cold Climate complies with the Material Ingredient Optimization and contributes toward satisfying 1 point

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.