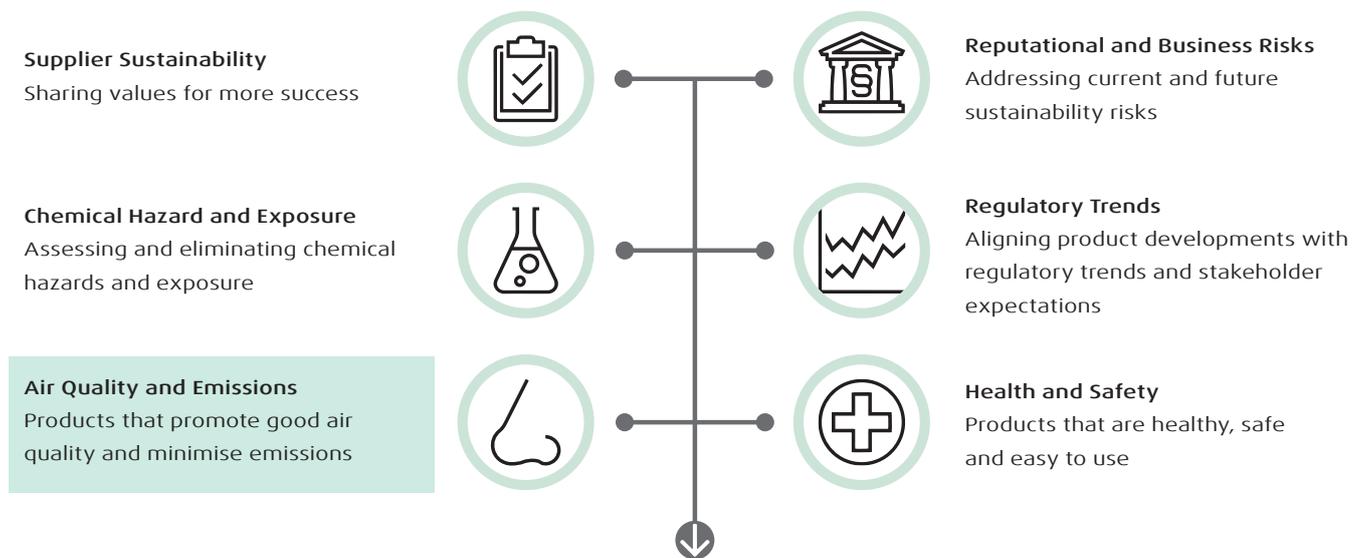


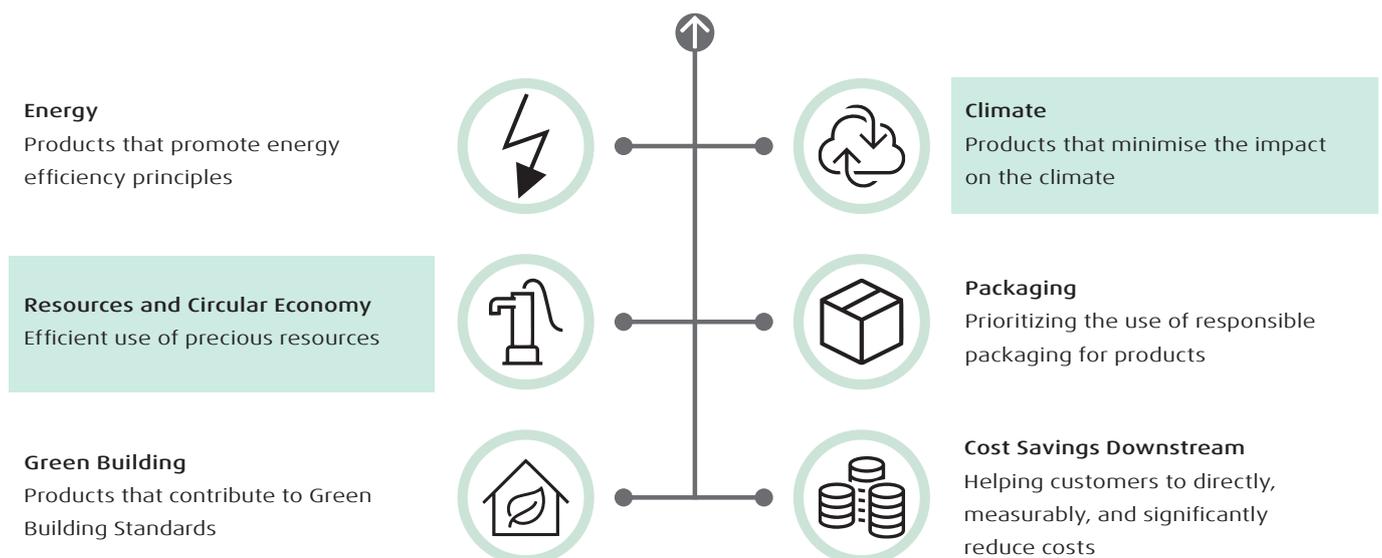
SCHÖNOX® HS 10

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.



SPM Sustainability Evaluation



SCHÖNOX® HS 10

Product Characteristics and Benefits

SCHÖNOX HS 10 is rapid-setting, self leveling hybrid floor leveling compound with Hybrid Active Dry Technology. It combines the advantages of a low tension calciumsulphate based leveling compound with the fast drying of cementitious systems.

Your Benefits:

- **Climate: 30% reduction in carbon footprint**
- **Resources and Circular Economy: ~46% pre-consumer recycling material**
- **Air Quality and Emissions: Very low emission (EC1 PLUS); Blue Angel; Dust reduced**

Climate: 30% Reduction in Carbon Footprint

The CO₂ footprint of SCHÖNOX HS 10 is approximately 30% lower compared to a technically equivalent rapid-setting cementitious floor leveling compound used as an internal reference¹. The reduction in CO₂ footprint was achieved by optimizing the binder formulation and partially replacing cement with alternative hydraulic binders with a lower CO₂ footprint.

Basis for the LCA calculation is:

- A Life Cycle Assessment (LCA) was conducted to generate the carbon footprint reductions presented in this factsheet according to the requirements of ISO 14044. The carbon footprint is quantified in kg CO₂ equivalents (CO₂-eq) based on IPCC AR6 GWP100 incl. biogenic CO₂, incl. luluc.
- The goal of the LCA was to compare the raw material composition of this product and the packaging, produced in Europe, with the internal references to evaluate the carbon footprint reduction of the improved formulation. The comparison was calculated on a per m² basis for identical layer thicknesses.
- This factsheet shows the comparative results for the product's raw materials (cradle to raw material), as the focus of the product development was to improve the formulation and packaging, which represents the largest share of the product carbon footprint. Transport and manufacturing processes are similar for both products.
- The LCI used for the LCA 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.

Resources and Circular Economy: ~46% Pre-Consumer Recycling Material

The binder of SCHÖNOX HS 10 is based on a pre-consumer recycling material that is abundantly available as by-product of an industrial process. Using this recycling material with a concentration of about 46%, the depletion of natural resources is alleviated significantly. The local availability of this recycling material prevents long-distance transports and reduces the associated greenhouse gas emissions.

Air Quality and Emissions: Very Low Emission; Blue Angel; Dust reduced

SCHÖNOX HS 10 fulfils the strict requirements of the EC1 PLUS class in the EMICODE system. The requirements of the EC1 PLUS emission class are stricter than the legal requirements in many European countries including Germany, France, and all Scandinavian countries. With these strict requirements, obligatory emission test in independent laboratories, and an external product quality control, the EMICODE system ensures that no harmful VOC emissions are caused by products of the EC1 PLUS class.

- **VOC emission classification according to EMICODE EC1 PLUS, very low emission**

SCHÖNOX HS 10 also meets the high requirements of the "Blue Angel" environmental label according to the criteria DE-UZ 113.

SCHÖNOX® HS 10

SCHÖNOX HS 10 is significantly reduced in dust compared to a comparable SCHÖNOX floor levelling compounds.

- In practical tests conducted by the Berufsgenossenschaft der Bauwirtschaft, it was confirmed that when processing SCHÖNOX HS10, all occupational safety limits are met.
- Sika uses scientific laboratory tests based on the DustMon testing device for the internal evaluation of dust formation during processing. The dust measuring device measures the dust content during mixing and processing of the powder product. The dust development is determined within 30 seconds by comparing it with a non-dust-reduced SCHÖNOX floor levelling compound according to the Dust-Index-Level.

Green Building: LEED and DGNB

LEED - Leadership in Energy and Environmental Design

SCHÖNOX HS 10 is part of Sika's LEED compliant product portfolio and fulfills the requirements of 4 LEED v4 credits or v4.1 Credits. SCHÖNOX HS 10 can contribute to the attainment of 3.5 points (v4) or 4 points (v4.1) in certified projects. For detailed information on the credit fulfilment please consult the Sika LEED attestations.

- LEED v4/v4.1 MR Environmental Product Declarations (Option 1): SCHÖNOX HS 10 is described with a generic EPD and contributes to the attainment of 0.5 points (v4) or 1 point (v4.1).
- LEED v4/v4.1 MR Sourcing of Raw Materials: SCHÖNOX HS 10 contains 46% pre-consumer recycled material. and contributes to the attainment of 1 point.
- LEED v4/4.1 MR Material Ingredients: SCHÖNOX HS 10 does not contain substances with more than 100 ppm listed in Annex XIV, Annex XVII, or the SVHC candidate list, and thus contributes to the attainment of 1 point in projects outside the USA.
- LEED v4/4.1 EQ Low Emitting Materials: SCHÖNOX HS 10 is labelled with the EMICODE EC1 PLUS seal and contributes to the attainment of 1 point in projects outside the US.

DGNB - Deutsche Gesellschaft für Nachhaltiges Bauen, a German Sustainable Building Council

SCHÖNOX HS 10 is classified in group No. 8 „Primers, precoats, joint mortars, fillers and adhesives under wall and floor coverings (e.g. tiles, carpets, parquet, resilient floor coverings – with the exception of wallpaper)“ and,

- meets the requirements of the highest quality level 4 in the DGNB certification system with the GISCODE CP3 and the EMICODE EC1 PLUS emission class (version 2023, criterion ENV 1.2 risks for the local environment).

¹The 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.

²The LCA 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.

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.

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