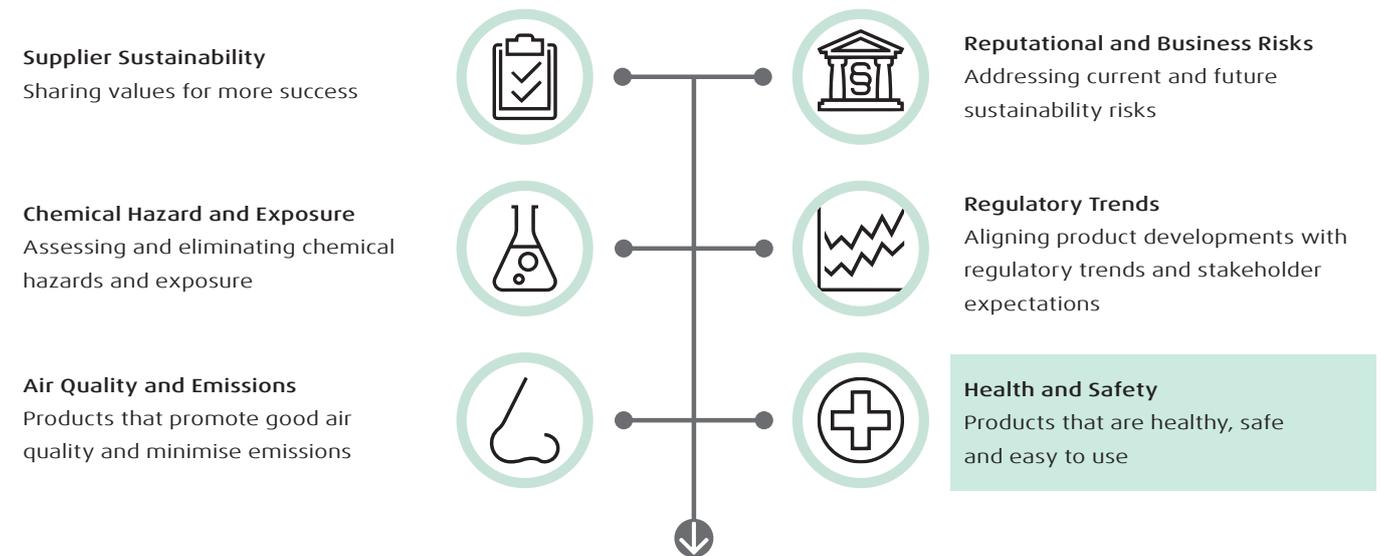


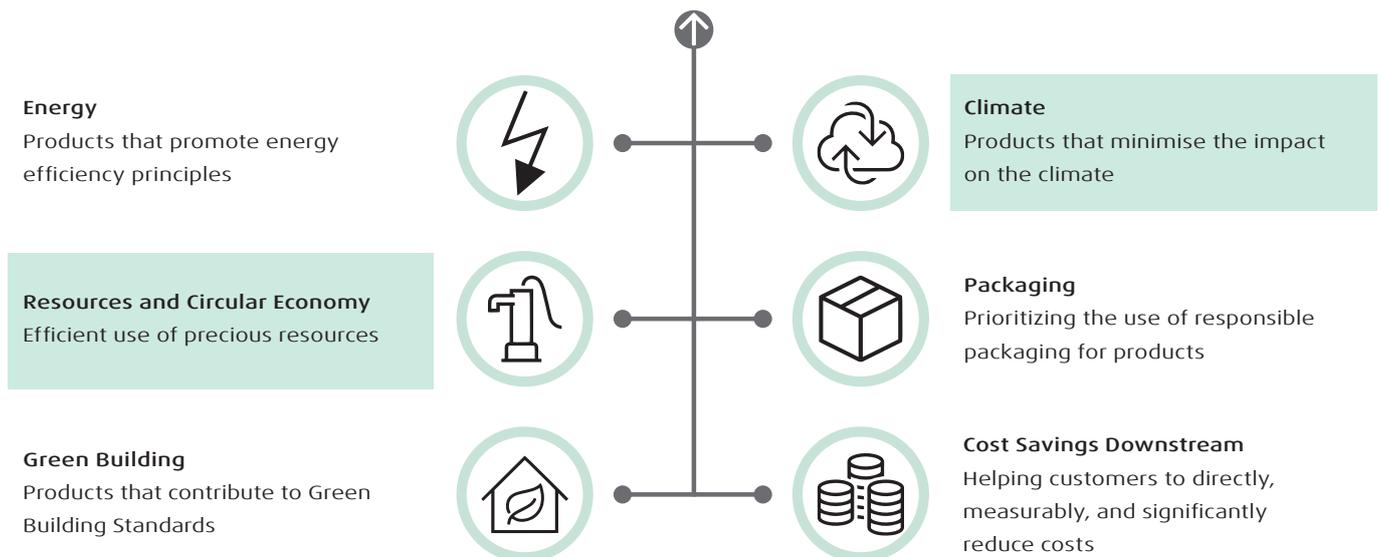
SCHÖNOX[®] HDS

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® HDS

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.

MORE PERFORMANCE

- Less working steps
- Time saving
- Easy to use

MORE SUSTAINABLE

- Reduced CO₂ footprint per m²
- Reduces exposure to harmful substances
- Contains renewable polymer

Product Characteristics and Benefits

SCHÖNOX HDS is a 2K self-levelling underlayment which offers a new approach to control moisture in subfloors. SCHÖNOX HDS includes a water vapor barrier so that the humidity in moist subfloors is blocked without the use of additional primers.

Your Benefits:

- **Climate: Up to 40% reduction in carbon footprint**
- **Health and Safety: Reduces exposure to harmful substances**
- **Resources and Circular Economy: Contains renewable polymer**

Climate: Up to 40% Reduction in Carbon Footprint

Epoxy primers are the state-of-the-art solution for moist subfloors with up to 100% rH. SCHÖNOX HDS with a layer thickness of 3 mm controls the same humidity levels but the carbon footprint of the floor constructions is reduced by about 40% per m² compared to floor constructions that include an epoxy primer as separate water vapor barrier. Polyurethane primers are the state-of-the-art solution for moist subfloors with up to 96% rH. SCHÖNOX HDS with a layer thickness of 2 mm controls the same humidity levels but the carbon footprint of the floor constructions is reduced by about 15% per m² compared to floor constructions that include a polyurethane primer as separate water vapor barrier.

The reduction in the carbon footprint of floor constructions using SCHÖNOX HDS was achieved by replacing epoxy and polyurethane compounds with a biobased moisture-block polymer.

Basis for the LCA calculation is:

- A Life Cycle Assessment (LCA) was conducted in 2023 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.
- This factsheet shows the comparative results for the product’s raw materials (cradle to raw material) and packaging (cradle to gate), 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 LCA results are fair¹.

¹ The 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.

SCHÖNOX® HDS

Health and Safety: Reduces Exposure to Harmful Substances

SCHÖNOX HDS includes a water vapor barrier so that epoxy or polyurethane primers are not needed to control the humidity in moist subfloors.

- Epoxy primers are the state-of-the-art solution for moist subfloors with up to 100% rH but these products are strongly allergenic (skin sensitization, category 1). SCHÖNOX HDS applied with a layer thickness of 3 mm controls the same humidity levels but the liquid component of SCHÖNOX HDS is not classified as hazardous mixture according to European CLP regulation EC No 1272/2008.
- Polyurethane primers are the state-of-the-art solution for moist subfloors with up to 96 % rH but these products are allergenic (skin sensitization, category 1) and suspected to cause cancer (carcinogenicity, category 2). SCHÖNOX® HDS applied with a layer thickness of 2 mm controls the same humidity but the liquid component of SCHÖNOX HDS is not classified as hazardous mixture according to European CLP regulation EC No 1272/2008.

Resources and Circular Economy: Contains Renewable Polymer

The moisture-block polymer in SCHÖNOX HDS is derived from renewable resources. The content of > 90% renewable carbon in this polymer was verified through the C14-Method according to EN 16640 by an independent laboratory.

Green Building: LEED and DGNB

LEED - Leadership in Energy and Environmental Design

SCHÖNOX HDS 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 3 (Option 2): Building Product Disclosure and Optimization - Sourcing of Raw Materials (1 pt)
- LEED v4 EQc 2: Indoor Environmental Quality – Low-emitting materials (1 pt) - for projects outside the US

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

SCHÖNOX HDS is classified (according to the application) in group No. 8 „Primers, precasts, joint mortars, fillers and adhesives under wall and floor coverings (e.g. tiles, carpets, parquet, resilient floor coverings – with the exception of wallpaper)“ or in group No. 9 „Sealing coats, screed resins, waterproofing under tiles“ and,

- meets in both groups the requirements of the highest quality level 4 in the DGNB certification system with the GISCODE ZP1/D1 and the EMICODE EC1 PLUS emission class (version 2023).

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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