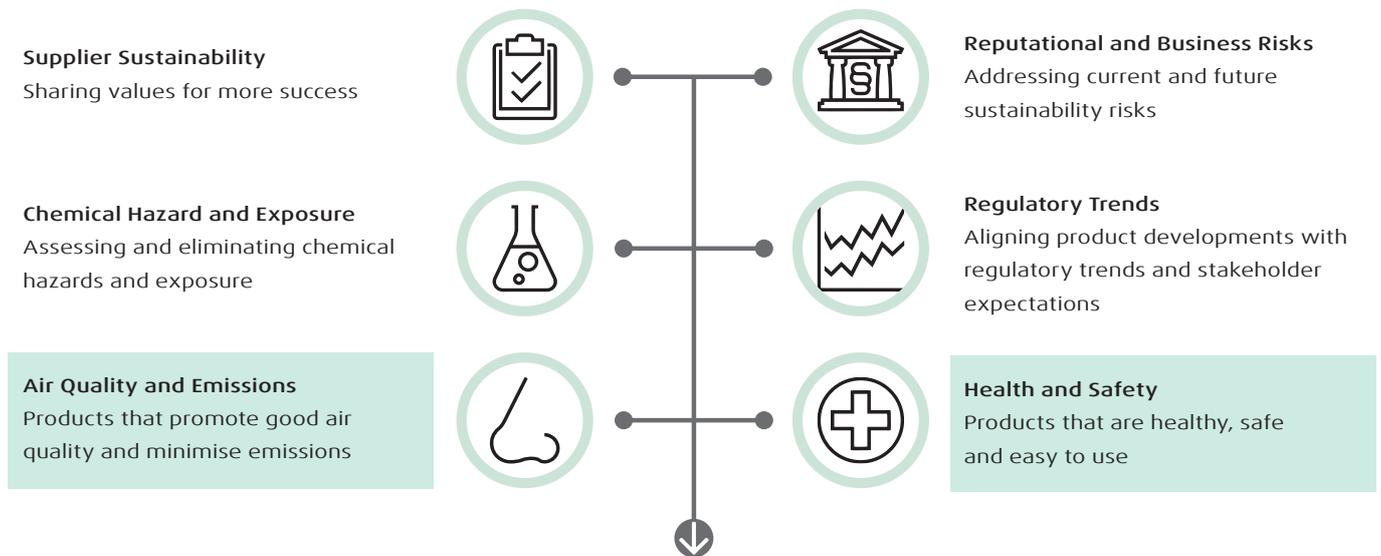


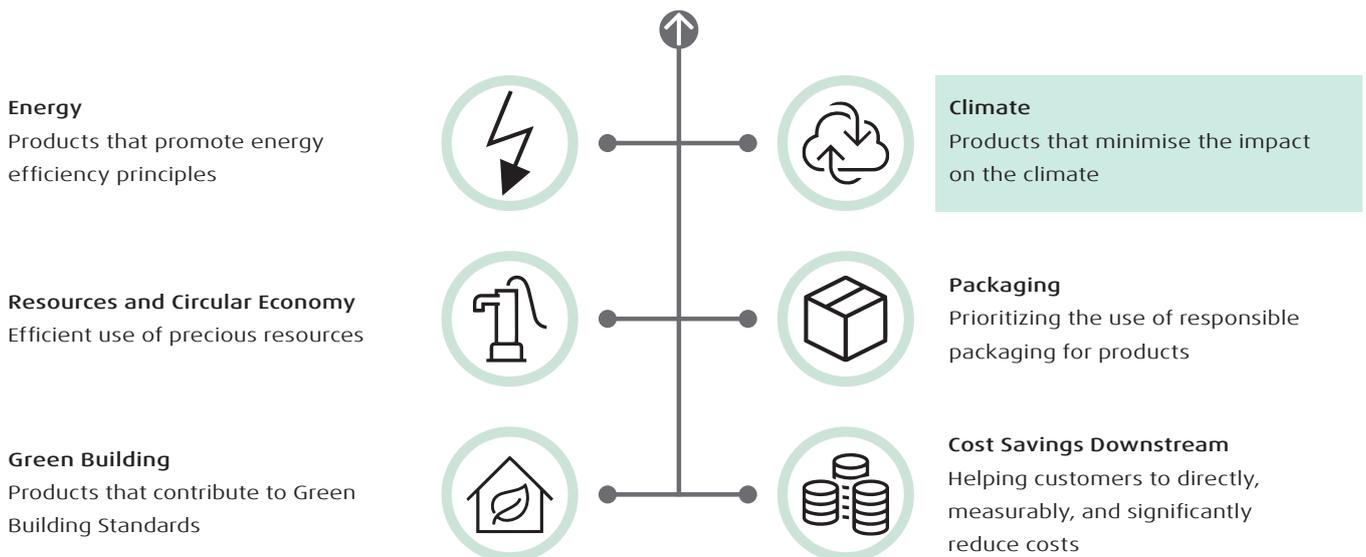
# SCHÖNOX® Q30

**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® Q30

## 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

- Very early load bearing capacity
- Extraordinary durability performance
- Y-Technology

### MORE SUSTAINABLE

- Reduced carbon footprint
- Dust reduced
- No skin irritation

## Product Characteristics and Benefits

SCHÖNOX Q30 is a flexible special powder tile adhesive and part of the SCHÖNOX Q-Family. The optimized and dust-reduced binder formulation of SCHÖNOX Q30 combines the technical characteristics for a safe and easy installation of all common ceramic tiles and slabs with a significant improvement of environmental impact.

### Your Benefits:

- **Climate: 45% reduction in carbon footprint**
- **Air Quality and Emissions: Low dust formation during handling; very low emission (EC1 PLUS)**
- **Health and Safety: No skin irritation**

## Climate: 45% Reduction in Carbon Footprint

The carbon footprint of SCHÖNOX Q30 is approx. 45% lower compared to a technically equivalent SCHÖNOX tile adhesive with C2 FE S1 classification, which is used as an internal reference<sup>1</sup>. The reduction in the CO<sub>2</sub> footprint was achieved by optimizing the binder formulation and partially replacing cement with alternative hydraulic binders with a lower CO<sub>2</sub> footprint.

### 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 CO<sub>2</sub> 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 m<sup>2</sup> basis for identical layer thicknesses.
- 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 fair.<sup>2</sup>

<sup>1</sup>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.

<sup>2</sup>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.

# SCHÖNOX® Q30

## Air Quality and Emissions: Low dust formation during handling; Very low emission

SCHÖNOX Q30 is significantly less dusty than comparably classified C2 FE tile adhesives. The standardized dust test method of the German Employer's Liability Insurance Association for the Construction Industry (BG Bau) was used for the practical evaluation of the dust formation of SCHÖNOX Q30 during processing. The A and E fractions of the dust in the breathing air were recorded during the mixing processes (determination method BGIA - code numbers 6068 and 7284). The workplace limit values according to TRGS 900 were observed.

SCHÖNOX HS 10 fulfills 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

## Health and Safety: No skin irritation

In tests according to OECD guideline 439 and EU method B 46, SCHÖNOX Q30 was assessed as "non-irritating to the skin". SCHÖNOX Q30 has been tested by a specialized testing institute for skin irritating properties and has successfully passed the tests with reconstructed human epidermis. Independent test results show that SCHÖNOX Q30 is neither corrosive nor irritating to the skin. SCHÖNOX Q30 has a significantly lower pH value than conventional tile adhesives and is therefore less aggressive to human skin.

## Green Building: LEED and DGNB

### LEED - Leadership in Energy and Environmental Design

SCHÖNOX Q30 is part of Sika's LEED compliant product portfolio and fulfills the requirements of 4 LEED v4 credits or v4.1 Credits. SCHÖNOX Q30 can contribute to the attainment of 2.5 points (v4) or 3 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 Q30 is described with a generic EPD and contributes to the attainment of 0.5 points (v4) or 1 point (v4.1).
- LEED v4/4.1 MR Material Ingredients : SCHÖNOX Q30 contains no substance with concentrations > 100 ppm that are listed in the Annex XIV, Annex XVII or the SVHC candidate list. Therefore, SCHÖNOX Q30 contributes to the attainment of 1 point in projects outside the US.
- LEED v4/4.1 EQ Low-emitting materials : SCHÖNOX Q30 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 Q30 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 ZP1 and the EMICODE EC1 PLUS emission class (version 2023, criterion ENV 1.2 risks for the local environment).

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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