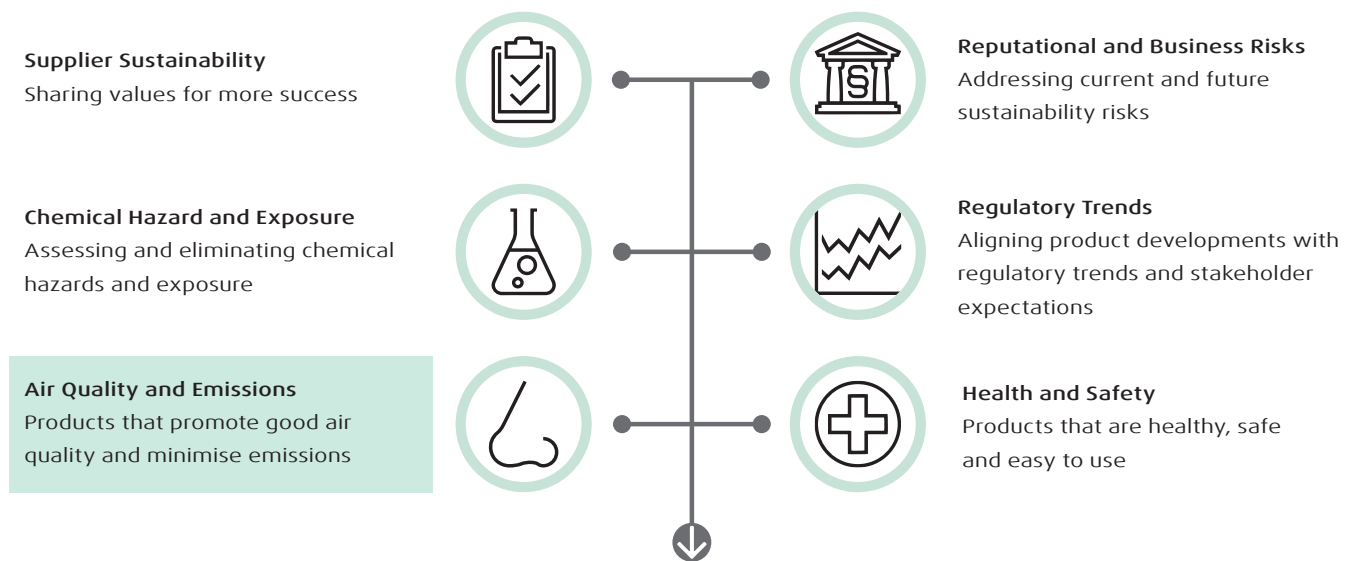


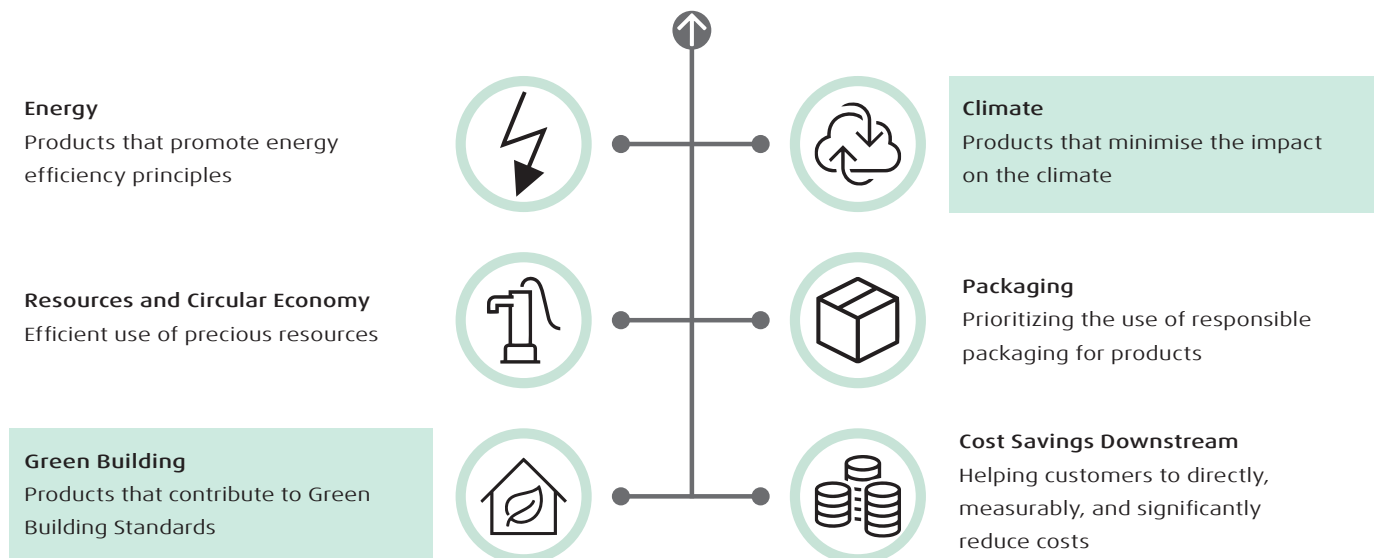
SCHÖNOX® Q2

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® Q2

Product Characteristics and Benefits

SCHÖNOX Q2 is a dust reduced, normal setting flexible tile adhesive and part of the SCHÖNOX Q-Family. The optimized binder formulation combines the technical characteristics for a safe and easy application of all common ceramic tiles and slabs with a significant improvement of environmental impact.

Your Benefits:

- **Climate:** 23% reduction in carbon footprint
- **Air Quality and Emissions:** Low dust formation during handling; very low emission (EC1 PLUS)
- **Green Building:** Direct contribution to LEED (2.5 credits) and DGNB (highest quality level)

Climate: 23% Reduction in Carbon Footprint

The binder composition of SCHÖNOX Q2 has been optimized to reduce the consumption of cement by using binder components with low impact on natural resources and climate. The carbon footprint of SCHÖNOX Q2 is approx. 23% lower (per m²) in comparison to a reference SCHÖNOX C2 TE Class cementitious tile adhesive.

- A Life Cycle Assessment (LCA) was conducted in order to generate the GWP figures presented in this factsheet. The goal of the LCA was to compare the formulation of this new sustainability optimized binder formulation to the formulation of a reference SCHÖNOX C2 TE Class cementitious tile adhesive in order to evaluate the impact of the improved formulation.
- LCA is a standardized method used to assess and compare the inputs, outputs and potential environmental impacts of products and systems. The LCAs conducted internally by Sika are performed according to ISO 14040 and EN 15804 standards and make use of the CML 2001 impact assessment methodology. Sika LCAs make use of Sika and industry-standard data.

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

SCHÖNOX Q2 is significantly dust-reduced compared to a reference C2 TE Class cementitious tile adhesive based upon suitable scientific internal laboratory test. SCHÖNOX Q2 is amongst the best-in-class solution in the market with regards to its dust reduction level. The dust content measurement was carried out with the DustMon test device, an independent measuring system for determining the dust behaviour during handling and mixing of powdery dry mortar.

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 reference sample of a SCHÖNOX tile adhesive without dust-reduction. The dust level is evaluated by the dust-index level taken over a period of 30 seconds.

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

Green Building: LEED and DGNB

LEED - Leadership in Energy and Environmental Design

SCHÖNOX Q2 is part of Sika's LEED compliant product portfolio and fulfills the requirements of 3 LEED v4 credits. SCHÖNOX Q2 can contribute to the attainment of 2.5 points in LEED v4 certified projects. For detailed information on the credit fulfilment please consult the Sika LEED attestations.

- LEED v4 Indoor Environmental Quality - Low-emitting materials (1 pt)
- LEED v4 Materials and Resources - Building product disclosure and optimization - sourcing of raw materials - Option 2 (1 pt)
- LEED v4 Materials and Resources - Building product disclosure and optimization - environmental product declarations - Option 1 (0.5 pt)

| SCHÖNOX® Q2

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

SCHÖNOX Q2 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 2018, 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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