SCHÖNOX® Q8

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 A ssessments (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.

Supplier Sustainability
Sharing values for more success

Chemical Hazard and Exposure
Assessing and eliminating chemical hazards and exposure

Air Quality and Emissions
Products that promote good air quality and minimise emissions

Reputational and Business Risks
Addressing current and future sustainability risks

Regulatory Trends
Aligning product developments with regulatory trends and stakeholder expectations

Health and Safety
Products that are healthy, safe and easy to use

SPM Sustainability Evaluation

Energy
Products that promote energy efficiency principles

Resources and Circular Economy
Efficient use of precious resources

Green Building
Products that contribute to Green Building Standards

Climate
Products that minimise the impact on the climate

Packaging
Prioritizing the use of responsible packaging for products

Cost Savings Downstream
Helping customers to directly, measurably, and significantly reduce costs

SPM-01-2023

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SCHÖNOX®
A SIKA BRAND

SCHÖNOX® Q8

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**	MORE **SUSTAINABLE**
• High yield	• Reduced CO_2 footprint per m^2
• Outstanding workability	• Dust reduced
• Q-TEC	• Ergonomic use

Product Characteristics and Benefits

SCHÖNOX Q8 is a highly dust reduced light-weight special powder 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: 10% 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: 10% Reduction in Carbon Footprint

The binder composition of SCHÖNOX Q8 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 Q8 is approx. 10% lower (per m^2) in comparison to a reference SCHÖNOX C2 TE S1 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 S1 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 Q8 is significantly dust-reduced compared to a reference C2 TE S1 Class cementitious tile adhesive based upon suitable scientific internal laboratory test. SCHÖNOX Q8 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**

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Green Building: LEED and DGNB

LEED - Leadership in Energy and Environmental Design

SCHÖNOX Q8 is part of Sika's LEED compliant product portfolio and fulfills the requirements of 3 LEED v4 credits. SCHÖNOX Q8 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)

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

SCHÖNOX Q8 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).

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