SCHÖNOX® Q20 HYBRID

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® Q20 HYBRID

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
• Hybrid-Technology	• Reduced CO_2 footprint per m^2
• No primer needed	• Dust reduced
• Q-TEC	• ~50% pre-consumer recycling material

Product Characteristics and Benefits

SCHÖNOX Q20 HYBRID is a highly dust reduced hybrid adhesive and part of the SCHÖNOX Q-Family. The optimized binder formulation combines the technical characteristics for a safe application of ceramic tiles and slabs, especially on calcium sulfate based screeds, with a significant improvement of environmental impact.

Your Benefits:

- **Climate: 45% reduction in carbon footprint**
- **Green Building: Direct contribution to LEED (2.5 credits) and DGNB (highest quality level)**
- **Resources and Circular Economy: ~50 % pre-consumer recycling material**

Climate: 45% Reduction in Carbon Footprint

The binder composition of SCHÖNOX Q20 HYBRID 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 Q20 HYBRID is approx. 45% lower (per m^2) in comparison to a reference SCHÖNOX 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 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.

Green Building: LEED and DGNB

LEED - Leadership in Energy and Environmental Design

SCHÖNOX Q20 HYBRID is part of Sika's LEED compliant product portfolio and fulfills the requirements of 3 LEED v4 credits. SCHÖNOX Q20 HYBRID 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)

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DGNB - Deutsche Gesellschaft für Nachhaltiges Bauen, a German Sustainable Building Council
SCHÖNOX Q20 HYBRID 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 EMICODE EC1 PLUS emission class (version 2018, criterion ENV 1.2 risks for the local environment).

Resources and Circular Economy: ~50 % Pre-Consumer Recycling Material

The binder of SCHÖNOX Q20 HYBRID 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 50%, 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.

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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