SikaRefit®-2000

Sustainability Portfolio Management (SPM) is the methodology used by Sika in order to evaluate and classify its products in defined market segments in terms of performance and sustainability. The outcome of the SPM evaluation is a portfolio of "Sustainable Solutions" – products with combined significant sustainability and performance benefits.

The evaluation criteria that fall under the sustainability category of SPM are presented in the infographic below.

SUSTAINABILITY FACT SHEET

SikaRefit®-2000

SUSTAINABLY IMPACTFUL

The perfect balance of optimized performance and sustainability engineered for a durable and more responsible future.

Sika's Impact products, assessed by the Sika Sustainable Portfolio Management (SPM) methodology, deliver both optimized performance and sustainability benefits. Designed to be fit for purpose, these advanced solutions meet the highest standards in sustainability. Our Sustainability Impact Areas drive progress toward a sustainable future by addressing key priorities: Carbon Emission Reduction, Durability, Circularity, Resource/Material Consumption, Waste Management, Energy Consumption, Health and Safety, and Green Building Contribution.

PRODUCT CHARACTERISTICS AND BENEFITS

SikaRefit®-2000 is one component, polymer modified, cementitious mortar based containing silica fume., with partial replacement of cement with Supplementary Cementitious Materials (SCM). Sika customers benefit from:

- **CLIMATE:** 13.8% reduced carbon footprint of the raw materials in comparison to internal reference product
- **RESOURCES AND CIRCULARITY:** Contain recycled materials meeting future trend
- **PERFORMANCE:** Achieve higher 28-day compressive strength compared to the previous version

HEALTH & SAFETY

Not regulated as dangerous good, suitable for DIY

Due to its improved Environment Health and Safety (EHS) composition, SikaRefit®-2000 is not labelled as a dangerous good. As a result of its improved classification and labelling SikaRefit®-2000 may be used in do-it-yourself (DIY) applications in addition to the traditional professional applications of standard reference materials.

For further information, refer to the Safety Data Sheet (SDS).

Very low diisocyanate monomer content

SikaRefit®-2000 has been developed to drastically reduce the diisocyanate monomer content to less than 0.1% for better health protection and occupational safety.
In particular, SikaRefit®-2000 meets the latest REACH and Occupational Exposure Limits (OEL) requirements and does not require the REACH diisocyanate safety training.

For further information, refer to the Safety Data Sheet (SDS).

CLIMATE: REDUCED CARBON FOOTPRINT

The carbon footprint of SikaRefit®-2000 is 13.8% lower than the carbon footprint of the internal reference PTAC_107 [1]. The reduction in the carbon footprint of SikaRefit®-2000 was achieved by replacing high CO_2-emission raw materials with recycled materials, such as Supplementary Cementitious Materials (SCM)
Further details about the calculation:

- 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 CO2 as well as land use and land use change (luluc).
- The goal of the CF study was to compare the raw material composition of SikaRefit®-2000, produced in Vietnam, with the carbon footprint reduction of the improved formulation. The comparison was calculated on a per kg basis as the two formulations are functionally equivalent.
- 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.

[1] *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.*

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- 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 good.

RESOURCES AND CIRCULARITY

Recycled Content

SikaRefit®-2000 contains recycled content of nearly 10%. The recycled material is sourced from Steel Plants.
The recycled content is externally verified by ISO 14021