PRODUCT DATA SHEET

SikaFiber®-6 PPF

FIBRILLATED MICRO-POLYMER FIBRE FOR USE IN DRY MORTAR AND CONCRETE

DESCRIPTION

SikaFiber®-6 PPF is a special type of a synthetic micro-reinforcement. The typical application in mortar and concrete results in increased cohesion and stability in fresh concrete. Increased impact and shock resistance and reduced plastic shrinkage cracks in hardened concrete. SikaFiber®-6 PPF is not sensitive to alkalis.

USES

▪ Dry mortar and dry concrete
▪ Screed

CHARACTERISTICS / ADVANTAGES

▪ Reduces cracks by plastic and/or drying shrinkage
▪ Increased resistance to shock, impact and wear stress
▪ Easy to handle and dose
▪ Improvement of cohesion in the fresh mortar/concrete
▪ Improved green strength
▪ No corrosion
▪ High tensile strength
▪ Higher durability

APPROVALS / CERTIFICATES

Complies with DIN EN 14889-2, Class Ib

PRODUCT INFORMATION

Composition	Polypropylene
Packaging	0.6 kg in biodegradable paper bags, 25 bags in cardboard box, 30 boxes on pallet
Appearance and colour	Fibrillated
Shelf life	Minimum of 2 years in sealed packaging.
Storage conditions	Store in dry conditions between 5° and 30°C. Protect from direct sunlight, water and dirt.
Density	0.91 g/cm³ at +20°C
Dimensions	length [mm]: 6 diameter [µm]: 45 x 550
Melting point	165°C
Ignition temperature	Approx. 600 °C

TECHNICAL INFORMATION

Resistance to alkalinity	high

APPLICATION INFORMATION

Recommended dosage	600 g per m³ of fresh mortar and fresh concrete and/or 300 g per tonne of dry mortar and concrete.
Compatibility	SikaFiber®-6 PPF reinforced mortar and concrete can be pumped, installed, compacted and smoothed off with the customary equipment and processes.
Dispensing	SikaFiber®-6 PPF is added to the dry mix in dry mortar plant, preferably with the aggregate.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, 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. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. 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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