

PRODUCT DATA SHEET

Fibercast[®]-500 6mm

Micro-polymer fibre for utilisation in mortar and concrete / pourable

DESCRIPTION

Fibercast[®]-500 6mm is a special form of a synthetic micro-reinforcement. The typical application of Fibercast[®]-500 6mm in mortar and concrete results in increased cohesion and stability in fresh concrete. Fibercast[®]-500 6mm creates increased impact and shock resistance and reduces plastic shrinkage cracks in hardened concrete. Due to its good dispersion, even in dry mixtures, Fibercast[®]-500 6mm is particularly suitable for use in dry mortars and dry concretes. Fibercast[®]-500 6mm is alkali-resistant.

USES

- Dry mortar and dry concrete
- Screed

CHARACTERISTICS / ADVANTAGES

Fibercast[®]-500 6mm is a special form of a synthetic micro-reinforcement that is distributed evenly in the concrete.

- Simple handling, easy workability
- Improvement of cohesion in the fresh concrete
- Improved green strength
- No corrosion
- High tensile strength
- Reduces cracks by plastic and/or drying shrinkage
- Increased resistance to shock, impact and wear stress
- Higher durability

APPROVALS / CERTIFICATES

Complies with DIN EN 14889-2, Class Ib

PRODUCT INFORMATION

Composition	Polypropylene
Packaging	0.9 kg in biodegradable paper bags, 12 bags in cardboard box, 27 boxes on pallet
Appearance / Colour	Fibrillated
Shelf life	
Storage conditions	Store dry like cement
Density	0.91 g/cm ³ at +20°C
Dimensions	6 mm 0.14 mm
Melting point	162°C
Ignition temperature	593 °C
Resistance to alkalinity	high

APPLICATION INFORMATION

Recommended dosage	900 g per m ³ of fresh mortar and fresh concrete and/or 450 g per tonne of dry mortar and concrete
Compatibility	Fibercast®-500 6mm is added to the dry mix in dry mortar plant.
Dispensing	Fibercast®-500 6mm reinforced mortar and concrete can be pumped, installed, compacted and smoothed off with the customary equipment and processes.

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.

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.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data. Further notes and information data sheets on product safety and disposal can be found on the Internet at www.sika.de.

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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