

PRODUCT DATA SHEET

Sika® Crackstop 12mm

POLYPROPYLENE FIBRES FOR CONCRETE

DESCRIPTION

Sika® Crackstop 12mm are high quality micro monofilament polypropylene fibres. They are designed to minimize and control shrinkage cracks in concrete. Sika® Crackstop 12mm are available in premeasured, ready to use degradable bags for 1m³ of concrete.

USES

Sika® Crackstop 12mm fibres reinforce fresh concrete and reduce its shrinkage cracking.

Sika® Crackstop 12mm is used for:

- Slabs
- Pavements
- Precast concrete products
- Heavy-duty industrial floors
- Overlays
- Shotcrete

Polypropylene fibres are not intended to replace structural steel.

CHARACTERISTICS / ADVANTAGES

Due to their fineness and a special surface treatment, Sika® Crackstop 12mm are uniformly distributed to provide an internal reinforcement to:

- Reduce plastic shrinkage cracking
- Improve fresh concrete cohesion
- Improve impact and abrasion resistance
- Improve concrete durability

APPROVALS / CERTIFICATES

ASTM C1116-91 standard specification for fibre-reinforced concrete and shotcrete.

PRODUCT INFORMATION

Composition	Micro monofilament polypropylene fibres
Packaging	0.6 kg / bag 28 bags / box (16.8 kg) Sika® Crackstop 12mm contains 180 million fibres / bag
Shelf life	Sika® Crackstop 12mm have a shelf life of 3 years if unopened.
Storage conditions	Store in dry condition, protected from direct sunlight.
Density	225 m ² / bag
Dimensions	Fibres of 12 mm / Diameter = 18 microns
Tensile Strength	300 - 400 MPa
Modulus of Elasticity in Tension	8000 MPa
Resistance to Alkalinity	Very high

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

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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Sika® Crackstop 12mm
October 2019, Version 01.01
021408021010000062