BUILDING TRUST

PRODUCT DATA SHEET

SikaFiber® Force PP-65 N

Polyolefin macro-synthetic fibres for reinforced shotcrete and concrete

DESCRIPTION

SikaFiber® Force PP-65 N is a macro structural synthetic polypropylene fibre. These fibres show very defined ductile behavior characteristics with excellent performance levels in shotcrete.

USES

- Fibrecrete/shotcrete
- Ground supported slabs
- Precast
- Sea defence
- Airport & pavements
- Slope stabilisation

FEATURES

- Uniquely designed and packaged allowing it to be evenly dispersed ensuring no balling or pumping problems will occur
- Non-magnetic, rustproof and alkali proof
- Less balling effect for difficult mixes
- No site waste or disposal issues
- Saves time and storage space in comparison to traditional mesh
- Environmentally friendly packaging

CERTIFICATES AND TEST REPORTS

SikaFiber® Force PP-65 N complies with ASTM C1116 Type III and EN 14889-2: 2006, Class 2.

PRODUCT INFORMATION

Composition	Virgin polyolefin polymer
Packaging	5 Kg boxes- fibres wrapped in water soluble plastic pucks in biodegradable boxes
Appearance and colour	Embossed plastic fibre
Shelf life	N.A.
Storage conditions	Store in dry conditions, protected from the weather.
Density	~ 0.91 g/cm3
Length	~65 mm
Melting point	~ 160 °C

Diameter	equivalent ~ 0.925 mm

BASIS OF PRODUCT DATA

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

SPECIFICATION INFORMATION

Specification Clause
Fibres for concrete shall be SikaFiber® Force PP-65 N polyolefin high performance macro-synthetic fibre conforming to EN 14889-2: 2006 Class 2 and manufactured specifically for use in concrete. SikaFiber® Force PP-65 N macro synthetic fibres shall be mixed at the batch plant, at the recommended rate of 4 kg/m³ – 8 kg/m³, and mixed for sufficient time (minimum 5 minutes) to ensure uniform distribution of the fibres throughout the concrete mix.

IMPORTANT CONSIDERATIONS

The addition of SikaFiber® Force PP-65 N can cause a reduction of the concrete consistency / slump. We recommend correcting this loss by adding suitable dosage of Sika water reducing admixture (SikaPlast® or ViscoCrete® range) and **not by adding water**.

ECOLOGY, HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

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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