

PRODUCT DATA SHEET

Arcelor Mittal HE++ 90/60

Hook-end extra high tensile steel fibre for concrete

PRODUCT DESCRIPTION

Arcelor Mittal HE++ 90/60 steel fibres are designed specifically for the reinforcement of concrete, mortars and other cementitious mixes. Arcelor Mittal HE++ 90/60 is a cold drawn extra high tensile strength wire fibre, deformed with hooked ends to provide optimum performance within the concrete mix.

USES

- Ground supported slabs
- Suspended Floors
- Jointless floors
- External roads & pavements
- Precast
- Overlays
- Walls
- Blast-resistant concrete

CHARACTERISTICS / ADVANTAGES

- Uniform, multi-directional concrete reinforcement
- Improves crack control, toughness and load capacity
- Enhances impact, fatigue and shear performance
- High-tensile fibres bridge cracks for improved aggregate interlock
- Enables potential reduction in concrete section thickness
- Faster, more economical alternative to conventional reinforcement
- Compatible with all standard screeding and finishing methods

APPROVALS / STANDARDS

Conforms to the requirements of 14889-1:2006 Fibres for Concrete Part 1: Steel fibres, Group I Cold drawn wire
DoP BC1-251-2800-24-003, certified by Factory Production Control Body 0749 and provided with the CE mark

PRODUCT INFORMATION

Recycled Content	Manufactured using recycled steel and renewable electricity		
Fibre type	Bright and clean wire (hooked end), Group I		
Packaging	25 kg boxes, 48 boxes per pallet (1200 kg)		
Shelf Life	24 months from date of production		
Storage Conditions	Store protected from moisture and direct sunlight. Do NOT stack pallets on top of each other.		
Dimensions	Fibre Length	Equivalent Diameter	Aspect Ratio
	60 mm	0.9 mm	67
Fibre Volume Content	3200 fibres/kg		

TECHNICAL INFORMATION

Tensile Strength	1900 N/mm ²
------------------	------------------------

APPLICATION INFORMATION

Recommended Dosage	Please consult the Sika technical department for advice on your project.
--------------------	--

Consistency	At dosage 25 kg/m ³ Vebe time 9 seconds
-------------	--

VALUE BASE

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.

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

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).

APPLICATION INSTRUCTIONS

MIXING

Arcelor Mittal HE++ 90/60 steel fibres may be added during or after batching, but not as the first component. When adding to a truck mixer/agitator, mix for a minimum of 5 minutes at full speed to ensure uniform fibre distribution.

DISPENSING

Add gradually to mixer using suitable fibre dispensing equipment.

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.

SIKA LIMITED

Watchmead
Welwyn Garden City
Hertfordshire, AL7 1BQ
Tel: 01707 394444
Web: www.sika.co.uk
Twitter: @SikaLimited



Product Data Sheet
Arcelor Mittal HE++ 90/60
March 2026, Version 01.01
021408011000000114

ArcelorMittalHE++9060-en-GB-(03-2026)-1-1.pdf