



High Dispersion Cem-FIL* AR-chopped strands

Technical data sheet

Cem-FIL Anti-Crak™ HD is a special purpose AR glass fibre chopped strand designed for mixing with concrete, mortar and other cement-based mixes where uniform dispersion of the fibres is needed. Cem-FIL HD is typically used at a low level of addition to prevent cracking & improve the performance of ready mix concrete, floor screeds, renders or other special mortar mixes.

Cem-FIL Anti-Crak™ HD chopped strands have a sizing system which is water dispersible, allowing full dispersion into individual filaments in mixing in an aqueous environment. They incorporate easily into mixes giving a very large number of distributed reinforcing fibres from a small weight of product.

Anti-Crak fibres do not protrude from the surface and require no further finishing.

Identification (ISO)

Example : ARC14 306 HD

AR : Alkali Resistant
 C : continuous filament
 14 : filament diameter in micron
 306 : tex of strand
 HD : product code

Technical characteristics (nominal values)

Strand tex	Filament dia. (micron)	Moisture content (%)	Size content (%)
ISO 1889 : 1987		ISO 3344 : 1977	ISO 1887 : 1980
306	14	< 0.3	1.0

Properties

- rapid dispersion into mono-filament reinforcement
- 212 million of filaments per kg
- effective at very low dosage
- safe and easy to handle
- control and prevention of early-age cracking in concrete



Floors screeds

Products available

Cem-FIL Anti-Crak™ HD chopped strands are packed in cartons within an inner polythene bag or in single-dose degradable bags. Each carton is identified by an individual label. Cem-FIL Anti-Crak™ HD chopped strands are white but a blue colour is used on labels to aid identification.

Product	Strand lengths available (mm)		Individual packaging		Carton weight (kg)
	Standard	Customized *	Packaging code	Packaging style	
HD	12	3 - 6 - 18 - 24	Blue	Bulk carton	18
HD	12	3 - 6 - 18 - 24	Blue	600 g bag	15

* Upon demand with one pallet minimum quantity.

Bulk packaging

Each pallet contains 48 cartons on 4 levels of 12 cartons each. The completed pallet is enclosed in polythene and identified with two labels.

Product	Packaging style	Total number of cartons	Pallets			
			Length (mm)	Width (mm)	Height (mm)	Approx. net weight (kg)
HD	Carton	48	1140	1140	940	864
HD	600 g bag	48	1140	1140	940	720

Shipment

Sea transport : a maximum of 20 pallets (double level) may be loaded in a 20 foot container giving a total net weight of 17 tonnes (cartons) or 14 tonnes (single-dose bags).

Road vehicle : up to 18 pallets (single level).
Total net weight 15.5 tonnes (cartons) or 13 tonnes (bags).

Storage

Cem-FIL chopped strands should be stored dry in their original packaging, the best conditions being at a temperature of between 15 and 35° C and at a relative humidity of between 35 and 65%. If the product is stored at low temperature (below 15°C) it is advisable to condition in the workshop for 24 hours before use to prevent condensation.

Quality

Cem-FIL chopped strands are manufactured under a quality Management System approved to ISO 9001. Additionally the actual performance of Cem-FIL HD is subject to independent assessment and approval in Germany (Zulassung n° Z-31.2-127).

* Registered trademark

Edited by :



Vetrotex Cem-FIL SL
Ctra. Nacional II. Km. 34,500
Aptdo. 60
28800 Alcalá de Henares
(Madrid) Espagne
Tel: +34 91 885 58 03
Fax: +34 91 885 58 10
www.cem-fil.com

Vetrotex Cem-FIL SL
Ctra. Nacional II. Km. 34,500. Aptdo. 60
28800 Alcalá de Henares (Madrid)
Espagne
Tel: +34 91 885 58 03
Fax: +34 91 885 58 10
www.cem-fil.com

Saint-Gobain Vetrotex reserves the right to change the information given herein without prior notice.

(01/2001)