



High Performance Cem-FIL* AR-chopped strands

Technical data sheet

Cem-FIL Anti-Crak™ HP is a high integrity AR glass fibre chopped strand designed for use in the reinforcement of concrete, renders and mortars. It may be added to conventional mixes either on site or by preblending with other dry mix components.

Cem-FIL Anti-Crak™ HP chopped strands have a sizing system optimised for abrasion resistance and strand integrity in mixing. The low-tex strand permits efficient reinforcement at low dosages. They are particularly suited to the modification of standard concrete mixes for floor screeds and slabs, and for the preparation of pre-bagged mixes of special mortars and renders.

Cem-FIL glass fibre has a similar density to concrete and has no tendency to float.

Identification (ISO)

Example : ARC14 38 HP

AR : Alkali Resistant

C : continuous filament

14 : filament diameter in micron

38 : tex of strand

HP : product code

Technical characteristics (nominal values)

Strand tex	Filament dia. (micron)	Moisture content (%)	Size content (%)
ISO 1889 : 1987		ISO 3344 : 1977	ISO 1887 : 1980
45	14	< 0.6	1.8

Properties

- abrasion resistant strand
- highest integrity during mixing
- low tex strand construction
- high dosage with good workability
- enhancement of physical & mechanical properties of hardened concrete



Wall renderings

Products available

Anti-Crak™ HP chopped strands are packed in cartons within an inner polythene bag. Each carton is identified by an individual label. Anti-Crak™ HP chopped strands are white coloured but a green colour is used on labels to aid identification.

Product	Strand lengths available (mm)		Individual packaging		Carton weight (kg)
	Standard	Customized *	Packaging code	Packaging style	
HP	6 - 12	18 – 24 - 40	Green	Carton	18

* Upon demand with one pallet minimum quantity.

Bulk packaging

Each pallet contains 36 cartons on 4 levels of 9 cartons each. The completed pallet is enclosed in polythene and identified with two labels.

Product	Strand length (mm)	Total number of cartons	Pallets			
			Length (mm)	Width (mm)	Height (mm)	Approx. net weight (kg)
HP	12	36	1140	1140	1970	648

Shipment

Sea transport : a maximum of 10 pallets (single level) may be loaded in a 20 foot container giving a total net weight of approximately 6.5 tonnes. Road vehicle : up to 18 pallets (single level)

Total net weight 11.7 tonnes.

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 Anti-Crak™ HP is subject to independent assessment and approval in Germany (Zulassung n° Z-31.2-127).

* Registered trademark

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

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