



Anti-Crak[®] HD*

Cem-FIL[®] Chopped Strands for Plastic Shrinkage Control

PRODUCT DESCRIPTION

Anti-Crak[®] HD (High Dispersion) is an engineered AR-glass chopped strand designed for mixing in concrete and all hydraulic mortars where uniform dispersion of the fibre reinforcement is needed.

PRODUCT APPLICATION

Anti-Crak[®] HD fibers are typically used at a low level of addition to prevent cracking & improve the performance of concrete, flooring, renders or other special mortar mixes. They incorporate easily into mixes giving a very large number of distributed reinforcing fibres from a small weight of product. **Anti-Crak[®] HD** fibers can be added at the central mixing plant to the wet concrete mix; or directly into the ready-mix truck.

Anti-Crak[®] HD fibers do not protrude through the surface and require no additional finishing procedures. The reinforcement is incorporated in the concrete mass and is invisible on the finished surface.

* Anti-Crak[®] HP fibers are part of Cem-FIL[®] product range



ADVANTAGES AND BENEFITS

- | | |
|--|---|
| • High dispersion (220 million filaments per kg, 100 million per lb) | • Control and prevention of cracking in fresh concrete |
| • Excellent workability | • Overall enhancement of durability and mechanical properties of concrete |
| • Invisible on finished surface | • Effective at a very low dosage |
| • Do not corrode | • Homogeneous mix |
| | • Safe and easy to handle |

TECHNICAL CHARACTERISTICS (nominal values)

- | | |
|---|---|
| • Fiber length : 3; 6; 9; 12; 18 mm - 1/8"-1/4"-3/8"-1/2"-3/4" inches | • Specific Gravity: 2.68 g/cm ³ |
| • Filaments diameter: 14 µm, (0,000546 in) | • Softening point: 860 °C • 1580 °F |
| • Size Content : 0,55% (ISO 1980 : 1980) | • Electrical Conductivity: Very low |
| • Moisture: 0,3% max (ISO 3344 : 1977) | • Resistance to chemical aggressions: Very high |
| • Material: Alkali Resistant Glass | • Modulus of elasticity: 72 GPa • 10 x 106 psi |
| | • Tensile Strength: 1,700 MPa • 250 x 103 psi |

* Our fibres are manufactured with high Zirconia content in compliance with ASTM C1666/C 1666/M-07 and EN 15422 and under the recommendations of PCI and GRCA

Anti-Crak® HD

Cem-FIL® Chopped Strands for Plastic Shrinkage Control

HOW TO USE – DOSAGES

Fibers can be introduced directly on the ready mix plant or directly in the concrete truck. Recommended dosage is 600 gr/m³ (1 lb/cu.yd) of concrete to control plastic Shrinkage.

PACKAGING AND STORAGE

Anti-Crak® HD chopped strands are packed in individual paper bags (water dispersible) or in plastic bags.

Anti-Crak® HD chopped strands should be stored away from heat and moisture, and in their original packaging. The best conditions are:

- Temperature: 15 °C – 35 °C
- Humidity: 35% – 65%

If the product is stored at lower temperatures it is advisable to condition it in the workshop for at least 24 hours before use, to prevent condensation.

QUALITY STANDARDS – CERTIFICATION

Cem-FIL® fibers are manufactured under a quality Management System approved to ISO 9001.

Additionally the actual performance of Cem-FIL® fibers is subject to independent assessment and approval in Germany (Zulassung N° Z-3.72.1731).

Cem-FIL® fibers meets safety standards according to European Directive 99/45/EC, 67/548/EEC and their latest amendment.

Cem-FIL® Customers Service

Alcala de Henares, Spain

Tel. : + 34.91 885 58 03

Fax : + 34.91 885 58 34

Cem-fil@owenscorning.com

www.cem-fil.com



OCV™ Reinforcements

OWENS CORNING
COMPOSITE MATERIALS, LLC
ONE OWENS CORNING PARKWAY
TOLEDO, OHIO 43659
1.800.GET.PINK™
www.owenscorning.com
www.ocvreinforcements.com

EUROPEAN OWENS CORNING
FIBERGLAS, SPRL.
166, CHAUSSÉE DE LA HULPE
B-1170 BRUSSELS
BELGIUM
+32.2.674.82.11

OWENS CORNING – OCV ASIA PACIFIC
SHANGHAI REGIONAL HEADQUARTERS.
2F OLIVE LVO. MANSION
620 HUA SHAN ROAD
SHANGHAI 200040
CHINA
+86.21.62489922

This information and data contained herein is offered solely as a guide in the selection of a reinforcement. The information contained in this publication is based on actual laboratory data and field test experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any responsibility or liability arising out of its use or performance. The user agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. It is important for the user to determine the properties of its own commercial compounds when using this or any other reinforcement. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Statements in this publication shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law safety code or insurance regulation.