PRODUCT DATA SHEET

ANTI-CRAK® HD

CHOPPED STRANDS FOR PLASTIC SHRINKAGE CONTROL

DESCRIPTION

Anti-Crak® HD (High Dispersion) is an engineered AR-glass chopped strand designed for mixing in concrete and all hydraulic mortars.

BENEFITS

- Excellent workability
- High Dispersion: 200 million filaments per kilogram in fiber length 12 mm
- Invisible on the finished surface
- Does not corrode
- Mitigation and reduction of cracking in fresh concrete
- Overall enhancement of durability and mechanical properties of concrete
- Effective at very low dosage
- Homogeneous mix
- Safe and easy to handle

APPLICATIONS

- Anti-Crak® HD fibers are typically used at low addition level to limit cracking & improve the performance of concrete, flooring, renders or other special mortar mixes. They incorporate easily into mixes creating a tridimensional homogeneous network of reinforcement in the matrix.
- 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® HD

CHOPPED STRANDS FOR PLASTIC SHRINKAGE CONTROL

TECHNICAL CHARACTERISTICS

Fiber length	Filament Diameter (ISO 1888 : 2006)	Loss on Ignition (%) (ISO 1887 : 1995)	Moisture (%) (ISO 3344 : 1997)
3 – 6 – 9 – 12 – 18 mm $^1/_8$'' – $^1/_4$'' – $^3/_8$'' – $^1/_2$'' – $^3/_4$'' inches	14 µm 0.00055"	0.60	0.50 max.

- Electrical Conductivity: Very low
- Specific Gravity: 2.68 g/cm^3
- Material: Alkali Resistant Glass*
- Softening point: 860°C – 1580°F
- Chemical Resistance: Very high
- Modulus of elasticity: 72 GPa – 10 x 10^6 psi
- Tensile Strength: 1000–1700 MPa – 145–250 x 10^3 psi (ASTM C1666 and EN15422)

* Our fibers 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

DOSAGE

Fibers can be introduced in the ready mix plant or directly in the concrete truck in the last stage, when all the aggregates have been added and mixed. Recommended dosage is 600 g/m^3 (1 lb/cu.yd) of concrete to mitigate plastic shrinkage cracking.

PACKAGING AND STORAGE

Anti-CRAK® HD chopped strands are packed in individual 600 g paper bags (water dispersible) or in plastic bags (18 kg). Anti-CRAK® HD chopped strands should be stored away from heat and moisture, and in their original packaging. Optimum conditions are temperature between 15°C and 35°C and humidity between 35% and 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

Anti-CRAK® HD fibers are manufactured under a quality Management System approved to ISO 9001. Anti-CRAK® and Cem-FIL® fibers are not classified as dangerous by the Regulation 1272/2008/EC. For more information, please refer to our Safe Use Instructions Sheet.

For further info: cem-fil@owenscorning.com / www.cem-fil.com

Americas
Owens Corning
Composite Materials, LLC.
One Owens Corning Parkway
Toledo, Ohio 43659
1.800.get.pink™
+1-623-566-0206

Europe
European Owens Corning
Fiberglas Sprl.
166 Chaussée de la Hulpe
B-1170 Brussels
Belgium
+33.479.75.5300

Asia Pacific
Owens Corning - OC Asia Pacific
Shanghai Regional Headquarters
40/F, Pudong Kerry Parkside,
1155 Fang Dian Road, Pudong, Shanghai,
201204, China
+86-21-6101 9666

Pub number: 10010194. Cem-FIL Ant-iCrak HD_product sheet_ww_11-2017_Rev9_EN. November 2017