

ANTI-CRAK[®] HD CRACK MITIGATION SMOOTH FINISH

Anti-CRAK[®] HD is designed to provide plastic shrinkage crack control and high-quality surface finish to decorative hardscapes, pool decks, sidewalks, slab-on-grade, and other concrete applications.

- Produced with Owens Corning[®] Cem-FIL[®] AR-glass, the alkali-resistant glass is specifically designed for concrete reinforcement, and lives up to its 50-plus years.

MONOFILAMENT MICROFIBER REINFORCEMENT FOR MORTAR AND CONCRETE

Product Benefits



Crack Control

- Enhanced plastic shrinkage crack control
- Improved protection in warmer and drier environments
- Neutral buoyancy: won't float or sink in fresh concrete
- Uniform dispersion of 200 million filaments per kg of 12mm fiber



Enhanced Performance

- High elastic modulus fiber giving crack control beyond plastic state
- Mineral fiber with high affinity to cementitious materials
- Increased flexural strength
- Higher-quality finished surface
- No rust, no staining
- Invisible in the concrete and at the surface

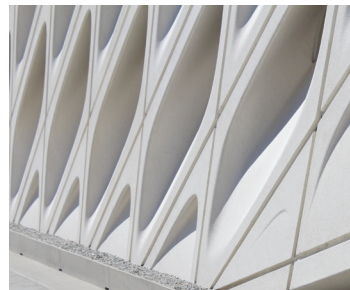


Faster Work

- Ready to add to the concrete, either in the mixer or at the job site
- Low impact on workability
- Easy and trouble-free pumping
- Reduced chipping from detailed forms
- Flows and dispenses easily for automated dosing

Applications

Anti-CRAK[®] HD is designed to reinforce decorative concrete and slabs on ground against plastic shrinkage cracking, including sidewalks, hardscapes, and pool decks. Anti-CRAK[®] HD is also broadly used in manufactured concrete products, dry mix formulations, UHPC, and other concrete applications.



Technical Characteristics
(Nominal Values)

FIBER LENGTH	FILAMENT DIAMETER (ISO 1888)	MODULUS OF ELASTICITY	TENSILE STRENGTH
3 – 6 – 9 – 12 – 18 mm 1/8 – 1/4 – 3/8 – 1/2 – 3/4 inches	14 µ/0.00055"	72 GPa 10 x 10 ⁶ psi	>1,000 MPa >145 x 10 ³ psi
<ul style="list-style-type: none">• Electrical Conductivity: very low• Specific Gravity: 2.68 g/cm³• Material: ¹Alkali-Resistant Glass• Softening Point: 1580° F 860° C• Chemical Resistance: very high• Loss on Ignition (ISO 1887): 0.60%• Moisture (ISO 3344): 0.50% max			

¹ In compliance with ASTM C 1666 and EN 15422, and under the recommendations of PCI and GRCA.

How to Use

It is recommended to add **Anti-CRAK® HD** into wet concrete during the last stage of mixing, or directly in a ready-mix concrete truck on the job site. For dry mix applications, fibers can be added in the dry premix.

The recommended minimum dosage for ready-mix concrete is 600 g/m³ or 1 lb/yd³. For dry mix and other applications, the dose may be as high as 1% by volume limited only by workability.

Packaging & Storage

Anti-CRAK® HD all lengths: Packed in plastic bags (18 kg).
Anti-CRAK® HD 6, 12, and 18mm: Packed in individual 600g and 1lb paper bags (water dispersible).
Specific packaging can be negotiated based on volume applications.

Anti-CRAK® HD should be stored away from heat and moisture, and must stay in its original packaging. Optimum conditions are temperature between 15°C and 35°C (59°F to 95°F) 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

Anti-CRAK® HD is manufactured under a quality management system approved to ISO 9001.

Anti-CRAK® is not classified as dangerous by the Regulation 1272/2008/EC. For more information, please refer to our Safe Use Instruction Sheet.

Verified Environmental Product Declaration according to ISO 14025 and EN 15804:2019 available upon request.



Americas
Owens Corning Composite Materials, LLC.
One Owens Corning Parkway
Toledo, Ohio, USA 43659
1-800-GET-PINK®

Europe
European Owens Corning Fiberglas Sprl.
166 Chaussée de la Hulpe
B-1170 Brussels
Belgium
+32 3 674 8211

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

<https://www.owenscorning.com/composites> | Composites@owenscorning.com

The information and data contained herein is offered solely as a guide in the selection of product. 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 of the product to determine its suitability. 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 on any patent or violate any law, safety code, or insurance regulation. We reserve the right to modify this document without prior notice.

Pub number: 10024469. Anti-CRAK® HD_product data sheet. January 2021. English.

THE PINK PANTHER™ & © 1964–2021 Metro-Goldwyn-Mayer Studios Inc. All Rights Reserved. © 2021 Owens Corning. All Rights Reserved.