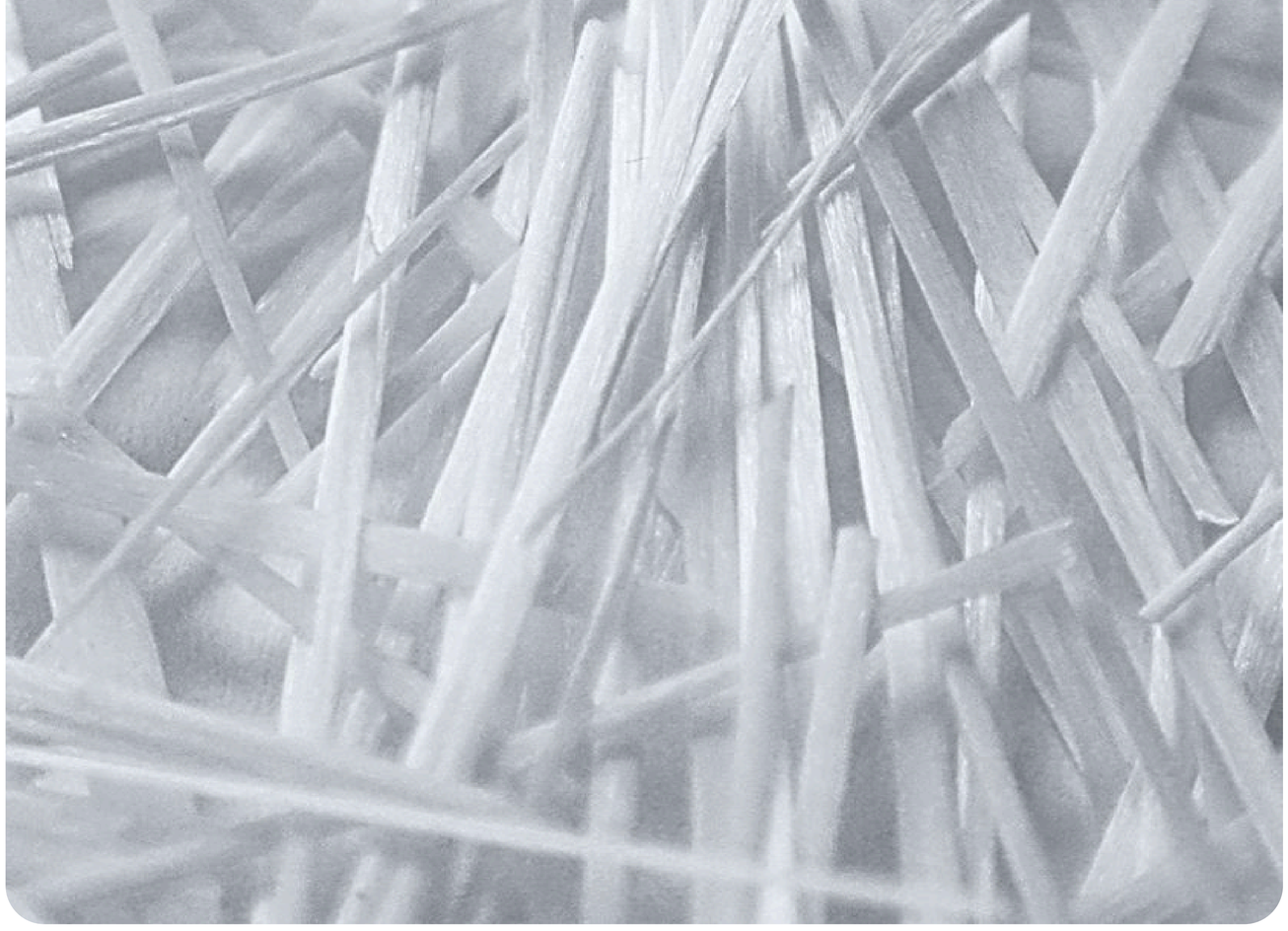
Original Composites & Fiberglass

ANTI-CRAK® HP

Superior finish and more toughness

MICROPLASTICS-FREE



Anti-CRAK® HP is designed to provide high performance crack control and toughness to commercial and residential slabs, garage floors, and other concrete applications.

- Produced with Cem-FIL® AR-glass, an alkali-resistant glass specifically designed for concrete reinforcement, and lives up to its 50-plus years.

FIBER REINFORCEMENT FOR MORTAR AND CONCRETE

Product Benefits

Crack Control

- Plastic shrinkage crack control
- High modulus fiber giving crack control in hardened concrete
- Neutral buoyancy and uniform dispersion
- Multi-filament strand mineral fiber with natural affinity to cementitious materials

Tougher

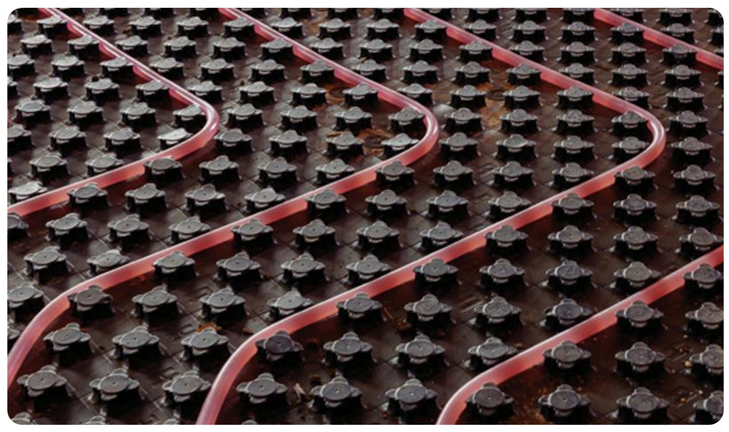
- Superior finishability
- No rust, no staining

Faster Work

- Replaces the time-consuming installation of welded wire mesh
- Ready to add to the concrete, either in the mixer or at the job site
- Fast dispersion during mixing
- Low impact on workability
- Easy and trouble-free pumping
- Flows and dispenses easily for automated dosing

Application

Anti-CRAK® HP is designed to provide enhanced crack control and toughness to commercial and residential slabs and garage floors. Additionally, Anti-CRAK® HP is also broadly used in manufactured concrete products, dry mix formulations, stucco, render, UHPC, and other concrete applications.



ANTI-CRAK® HP | FIBER REINFORCEMENT | JULY 2026

Technical Characteristics

FIBER LENGTH	ASPECT RATIO (LENGTH/DIAMETER)	EQUIVALENT DIAMETER	MODULUS OF ELASTICITY	TENSILE STRENGTH[2]
12 – 18 – 24 mm ½ – ¾ – 1 inches	58 – 85 – 55	0.20 – 0.50 mm	72 GPa 10 x 10^6 psi	>1 000 MPa >145 x 10^3 psi

- Electrical Conductivity: very low
- Specific Gravity: 2.68 g/cm^3
- Material: [1]Alkali-Resistant Glass
- Softening Point: 860 °C/1 580°F
- Chemical Resistance: very high
- Loss on Ignition (ISO 1887): 0.80–2.00%
- Moisture (ISO 3344): 0.50% max

[1] In compliance with ASTM C1666 and EN 15422, and under the recommendations of PCI and GRCA.
[2] Tested by ASTM D 2343.

How to Use

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

The recommended dosages are:

	PLASTIC SHRINKAGE		THERMAL AND SHRINKAGE CRACKING			
FIBER TYPE	Micro		Micro		Macro	
FIBER REFERENCE	HP12–HP18		HP12–HP18		HP24	
ADDITION RATE	kg/m^3 0.6–1.2	lb/yd^3 1.0–2.0	kg/m^3 1.2–5	lb/yd^3 2.0–8.4	kg/m^3 1–5+	lb/yd^3 1.6–8+
BENEFIT	Early-age cracking mitigation		Anti-cracking mesh replacement		Anti-cracking mesh replacement	
PRIMARY APPLICATION	Concrete flatwork — flooring		Concrete flatwork — flooring		Residential floors, light commercial floors	

Packaging & Storage

Anti-CRAK® HP 12: Packed in 600 g and 1 lb paper bags (water dispersible), and plastic bags (6 kg)

Anti-CRAK® HP 18: Packed in 7 kg plastic bags

Anti-CRAK® HP 24: Packed in 5 kg plastic bags

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

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

CE marking and Declaration of Performance as fibers for use in concrete and mortar through European Technical Assessment.

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

MAKE MORE POSSIBLE™

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