



ANTI-CRAK[®] HP 67/36 PROVEN ENGINEERED PERFORMANCE

Anti-CRAK[®] HP 67/36 is designed to provide crack control, flexural performance, toughness, and impact-resistance to slabs-on-ground, commercial and industrial floors, pavements, precast concrete, manufactured products, and other applications.

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

MACRO FIBER REINFORCEMENT FOR CONCRETE CRACK CONTROL

Product Benefits



Crack Control

- Plastic shrinkage crack mitigation
- High-modulus fiber controlling cracking in hardened concrete from thermal and drying shrinkage
- Impact- and fatigue-resistance
- Increased flexural performance
- Neutral buoyancy and uniform dispersion
- No rust, no staining



Tougher

- Multi-filament strand mineral fiber with natural affinity to cementitious materials
- Immediate efficiency starting at small crack opening, LOP and beyond
- Enables wider joint spacing and jointless floors

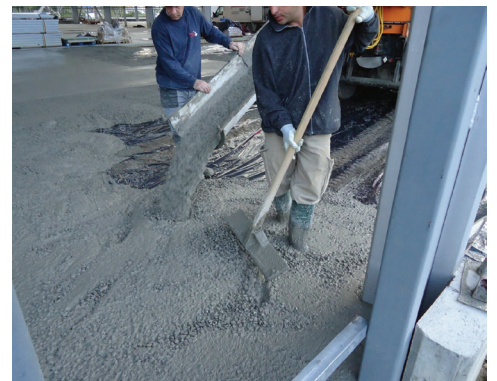


Faster Work

- Replaces the time-consuming preparation and installation of steel rebar
- Easy dosing — ready to add to the concrete, either at the ready-mix plant or at the job site
- Fast dispersion during mixing
- Low impact on workability
- Easy and trouble-free pumping
- Superior finishability

Applications

Anti-CRAK[®] HP 67/36 is used in slabs-on-ground, pavements, bridge decks, roundabouts, concrete pavement overlays, agricultural slabs, commercial and industrial floors, precast concrete, and other applications designed with low crack openings.



Technical Characteristics
(Nominal Values)

FIBER LENGTH	ASPECT RATIO (LENGTH/DIAMETER)	EQUIVALENT DIAMETER (EN14889-2)	MODULUS OF ELASTICITY	TENSILE STRENGTH
36 mm 1-1/2 inches	67	0.54 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/cm³
- **Material:** Alkali Resistant Glass¹
- **Softening Point:** 860°C/1580°F
- **Chemical-Resistance:** very high
- **Loss on Ignition (ISO 1887):** 0.80-2.00%
- **Moisture (ISO 3344):** 0.50% max

¹In compliance with ASTM C1666 and EN 15422, and under the recommendations of PCI and GRCA.

How to Use

It is recommended to add **Anti-CRAK® HP 67/36** at the mixer into wet concrete during the last stage of mixing, or directly into a ready-mix concrete truck on the job site. Mixture proportions and fiber dosage should be verified by testing.

The recommended dosages are:

	THERMAL AND SHRINKAGE CRACKING		STRUCTURAL PERFORMANCE	
FIBER TYPE	Macro		Macro	
ADDITION RATE	kg/m ³ 1-5	lbs/yd ³ 1.5-8.5	kg/m ³ 5-15	lbs/yd ³ 8.5-25
BENEFIT	Anti-cracking mesh replacement		Structural mesh and steel rebar replacement	
PRIMARY APPLICATION	Residential floor, light commercial floors		Commercial & industrial floors, pavements, thin-walled precast	

Packaging & Storage

Anti-CRAK® HP 67/36 is packed in plastic bags (5 kg). Anti-CRAK® HP 67/36 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 67/36 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.
- CE-marking and Declaration of Performance as fibers for use in concrete and mortar through European Technical Assessment.
- Declaration of Performance:
- <https://www.owenscorning.com/en-us/composites/declaration-of-performance>.
- Verified Environmental Product Declaration according to ISO 14025 and EN 15804:2019 available upon request.



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