



Anti-Crak® HP 67/36

Macro Glass fiber for concrete reinforcement

Anti-Crak® HP fibers are part of the Cem-FIL® product range

PRODUCT DESCRIPTION

Anti-Crak® HP 67/36 is a “High Performance” Alkali Resistant glass macro fiber, engineered to reinforce against plastic, thermal and drying shrinkage cracking. **Anti-Crak® HP 67/36** increases flexural strength and ductility, and adds toughness, impact and fatigue resistance to the concrete. **Anti-Crak® HP 67/36** can be used as secondary reinforcement and in specific applications also as primary reinforcement.

Anti-Crak® HP 67/36 disperses quickly and evenly throughout the concrete matrix, because the specific gravity is similar to the aggregates used in concrete. This inherent characteristic of glass guarantees high fiber performance throughout the concrete mass.

PRODUCT APPLICATION

Anti-Crak® HP 67/36 has been specifically designed to replace secondary and primary reinforcement (welded wire reinforcement, light rebar, steel and synthetic fibers) in residential, commercial and industrial slabs-on-ground, compression layers, pavements and precast concrete.



ADVANTAGES AND BENEFITS

- Control and prevention of cracking in fresh and hard concrete and mortars (plastic shrinkage cracking, drying shrinkage and thermal cracking, service-life cracking under load)
- Improves mechanical properties of hardened concrete
- Fast and uniform dispersion during blending
- Will not affect concrete pumpability
- Allows for high dosages without affecting the workability
- Will not corrode
- No additional water demand
- Easy to handle

FEATURES (nominal value)

- Fiber length : 36 mm - 1½” inches
- Aspect ratio (length / diameter) : 67
- Specific Gravity: 2.68 g/cm³
- Modulus of elasticity: 72 GPa • 10 x 10⁶ psi
- Moisture: 0.3% max (ISO 3344 : 1977)
- Material: Alkali Resistant Glass*
- Softening point: 860 °C • 1580 °F
- Electrical Conductivity: Very low
- Chemical Resistance: Very high
- Tensile Strength: 1,700 MPa • 250 x 10³ psi



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

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HOW TO USE – DOSAGES

Anti-Crak® HP 67/36 fibers can be introduced at any point during the mixing or batching process. Addition rates are dependent on the application and desired performance levels. Please contact your OCV sales representative for recommendations.



Recommended dosages are:

Benefits	Secondary Reinforcement	Primary Reinforcement in flooring applications
Recommended dosage	1.5 - 5 kg/m ³ 2.5 - 8.0 lb / cu.yd	5.0 - 15kg/m ³ 8.0 - 25 lb / cu.yd

PACKAGING and STORAGE

Anti-Crak® HP 67/36 is packaged in 5 kg plastic bags.

Anti-Crak® HP fibers should be stored away from heat and moisture, and in their original packaging.

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 meet safety standards according to European Directive 99/45/EC, 67/548/EEC and their latest amendment.

Cem-FIL® Customer Service

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