RENDERS

An external facade rendering system commonly fulfils 3 categories of performance: weather protection, prevention of deterioration and decoration. Within those categories, the solutions are specified to achieve guaranteed levels of performance: being decorative, breaking up large areas, protecting, waterproofing, reduced maintenance, maintaining serviceability over a longer lifespan.
Cem-FIL® alkali resistant glass fibers were developed for modification and reinforcement of Cement based matrices to ensure increased long term performance and durability.
Cem-FIL® fibers have been used successfully for40 years, in more than 100 countries worldwide. Knowing this fact provides our customers with a level of confidence unequalled in our industry.

BENEFITS

The fact that 1Kg of **Cem-FIL® 70** fibers 6 mm have more than 200 million filaments, gives the mortar a uniformly dispersed network of fibers that will significantly improve the thixotropy and the resistance to plastic shrinkage cracking. .

PERFORMANCES

- Superior crack prevention and control
- Increases the thixotropy making easier application on vertical surfaces
- Superior durability
- Increased flexural, tensile, compressive and impact strength
- Dissipates stress caused by thermal expansion and contraction
- Superior weather resistance
- Reduced permeability
- Improved freeze-thaw resistance
- Improved abrasion resistance
- UV stable

WORKABILITY OF THE FIBER

- Less tendency for clumping during blending
- Fiber density similar to that of mortar ensures no floating or sinking of the fibers
- Excellent workability

PROCESSING – DOSAGE

Cem-FIL® 70 and Anti-Crak® HD fibers, available in 6, 12 and 18 mm length, have to be added at 0.02 to 0.2% by weight (0.5 – 5 kg/m3) depending on performance level required.

In most cases Cem-FIL® fibers should be added at the plant, as part of the dry mix mortar.
It is also possible to add the fibres on site, after the mortar has been prepared and mixed with water.

PACKAGING

Cem-FIL® 70 and Anti-Crak® HD chopped strands are packed in individual plastic bags of 18 kg.

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 Nº Z-3.72.1731).
- Cem-FIL® fibers meet safety standards according to European Directive 99/45/EC, 67/548/EEC and their latest amendment.

DELIVERING SOLUTIONS - TRANSFORMING MARKETS - ENHANCING LIVES

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