

CEM-FIL® AR-GLASS FIBER SOLUTIONS FOR RENDERS



DESCRIPTION

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 for 40 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 1 kg 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 OR 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



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PROCESSING AND 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 fibers are packed in individual plastic bags of 18 kg.

QUALITY STANDARDS – CERTIFICATION

Cem-FIL® 70 fibers are manufactured under a quality Management System approved to ISO 9001.

Cem-FIL® fibers are not classified as dangerous by the Regulation 1272/2008/EC. For more information, please refer to our Safe Use Instructions Sheet.

For further info please send a email to: cem-fil@owenscorning.com / www.cem-fil.com

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