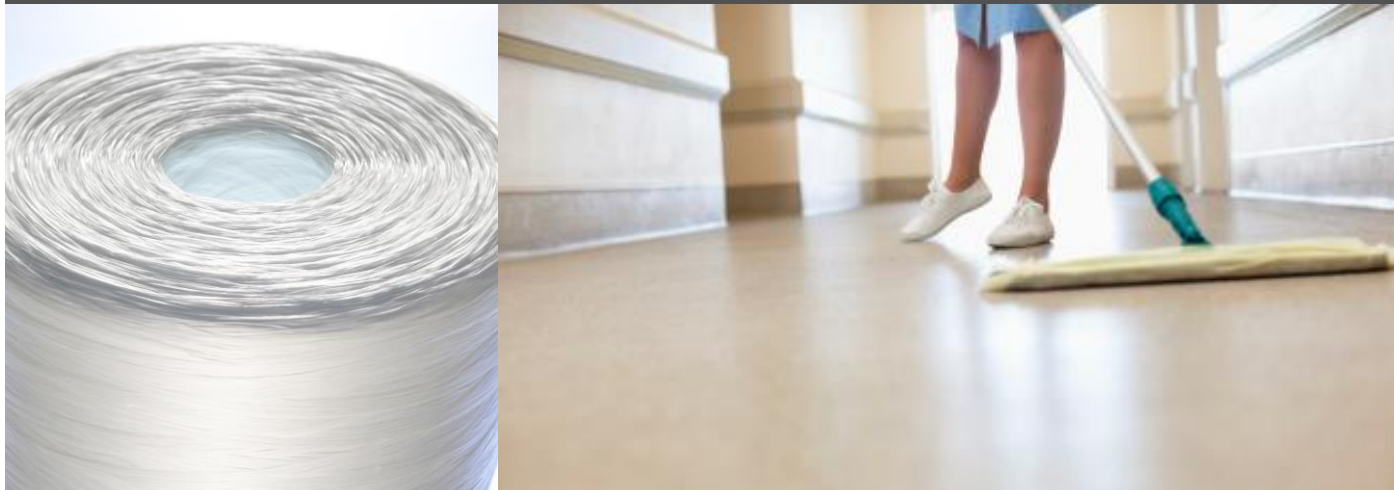


## CEM-FIL® AR-GLASS FIBER SOLUTIONS FOR RESIDENTIAL FLOORS



### DESCRIPTION

The use of Anti-Crak® fibers is a proven and accepted alternative to prevent plastic shrinkage and welded wire mesh (WWM) when used for crack reduction in residential and light commercial concrete floors.

Anti-Crak® fibers are compatible with all kinds of floors, including those with underfloor heating. They can also reinforce mortars efficiently whether it is for resurfacing, repairing or even tiling adhesive.

Thanks to their density being close to that of concrete, Anti-Crak® fibers are distributed throughout the matrix, as opposed to mesh which is quite often not located in the optimum position.

### 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 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



# CEM-FIL® AR-GLASS FIBER SOLUTIONS FOR RESIDENTIAL FLOORS

## 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/m<sup>3</sup>) 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](mailto:cem-fil@owenscorning.com) / [www.cem-fil.com](http://www.cem-fil.com)**

### Americas

Owens Corning  
Composite Materials, LLC.  
One Owens Corning Parkway  
Toledo  
Ohio 43659  
1.800.get.pink™  
+1-623-566-0206

### Europe

European Owens Corning  
Fiberglas Sprl.  
166 Chaussée de la Hulpe  
B-1170 Brussels  
Belgium  
+33.479.75.5300

### Asia Pacific

Owens Corning - OC Asia Pacific  
Shanghai Regional Headquarters  
Unit 01, 02,05, 39/F,  
Pudong Kerry Parkside,  
1155 Fang Dian Road, Pudong, Shanghai,  
201204, China  
+86-21-6101 9666

This information and data contained herein is offered solely as a guide in the selection of reinforcement. The information contained in this publication is based on actual laboratory data and field test experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any responsibility or liability arising out of its use or performance. The user agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. It is important for the user to determine the properties of its own commercial compounds when using this or any other reinforcement. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Statements in this publication shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law, safety code or insurance regulation.

Owens Corning reserves the right to modify this document without prior notice.  
© 2015 Owens Corning. All Rights Reserved. Picture: iStockphoto.com

Pub number: 10011639. Cem-FIL Residential floors\_application sheet\_ww\_11-2015\_Rev1\_EN. November 2015

[Cem-fil@owenscorning.com](mailto:cem-fil@owenscorning.com)  
[www.cem-fil.com](http://www.cem-fil.com)