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# **ARDEX FG-C™ MICROTEC®**

## **Unsanded Floor & Wall Grout**

### **For an Ultra-Smooth Finish**

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**Ultra-smooth finish**

**Excellent color consistency**

**Use with porcelain, glass, quarry, ceramic, mosaic and most natural stone tiles\***

**For joints up to 1/4" (6 mm), porcelain joints up to 1/8" (3 mm)\*\***

**For interior or exterior applications – floors, walls, countertops and showers**

**Creamy consistency provides fuller grout joints and an ultra-smooth finish**

**Open to traffic in just 4 hours**

**Easy to mix and apply**

**Naturally resistant to mold and mildew**

**Antimicrobial protection**

**High strength; resists cracking**

**Freeze/thaw stable**

**No slake time required**

**Available in 35 colors**



## **SystemOne™**

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# ARDEX FG-C™ MICROTEC®

## Unsanded Floor & Wall Grout

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### Description and Usage

ARDEX FG-C™ MICROTEC® Unsanded Floor & Wall Grout is a high-performance, Portland cement-based, unsanded grout that delivers fuller, more aesthetically pleasing grout joints with an ultra-smooth finish for floor and wall tile joints up to 1/4" (6 mm).\*\* Use for installations of porcelain, glass, quarry, ceramic and mosaic tile, as well as most natural stone tiles.\* ARDEX FG-C is freeze/thaw stable, naturally resistant to mold and mildew formation and can be open to traffic in just 4 hours. With its flexibility and high strength, ARDEX FG-C is ideal for interior and exterior floors, walls, countertops and showers.

Sand free and enhanced with MICROTEC Technology, ARDEX FG-C has a smooth, creamy consistency that can be worked easily into even the narrowest grout joints and creates an exceptionally smooth finish. ARDEX FG-C also has built-in antimicrobial protection.

### Joint Preparation

The existing tile must be set firmly. The tile joints must be clean and free of all setting materials, dust, moisture and foreign matter. Expansion joints must be provided over existing moving joints and cracks and where substrate materials change composition or direction per ANSI A108 AN-3.7.

### Recommended Tools

ARDEX mixing bucket, rubber float, ARDEX T-2 Ring Mixing Paddle, 1/2" (12 mm) heavy-duty drill (min. 650 rpm), ARDEX sponge (or similar) and white Scotch-Brite® pad.

\* ARDEX FG-C is not suitable for use with moisture-sensitive stone.

\*\*For porcelain tiles 1/8" or wider in high-stress areas, use ARDEX FL™ Rapid Set, Flexible Sanded Grout.

### Mixing and Application

Mix each 25 lb. (11.3 kg) bag of ARDEX FG-C with 3 3/8 - 3 5/8 qt. (3.19 - 3.43 L) of clean water.

Mix each 10 lb. (4.5 kg) box of ARDEX FG-C with 1 3/8 - 1 1/2 qt. (1.3 - 1.4 L) of clean water.

To mix smaller quantities by hand, use 3 parts of powder to 1 part of clean water by volume.

Starting with the lowest amount of water specified above, pour the water in the mixing container first, and then add the ARDEX FG-C. Gradually add additional water as needed to achieve the desired consistency. Do not exceed the highest amount of water specified above. To obtain a stiffer grout consistency, use slightly less water. NOTE: Less water may cause the material to set faster.

For best results when mixing full batches, mix with an ARDEX T-2 Ring Paddle and 1/2" heavy-duty drill. Mix at a low speed until a creamy, smooth, lump-free consistency is obtained.

When mixing small batches, use a margin trowel, and mix vigorously for 2 to 3 minutes. Just prior to application on the substrate, the mixture should be stirred again to ensure a creamy, smooth, lump-free consistency.

Installation should proceed in accordance with ANSI A108.10. Using a high quality rubber float, work the grout into the joints until they are filled completely. ARDEX FG-C has a working time of approximately 90 minutes at 70°F (21°C). Mix only as much as can be applied within this time.

As the work proceeds, remove all excess grout from the face of the tile using the rubber float in a snowplow fashion to ensure that the grout is not being removed from the joint.

Once the grout has taken a firm set in the joints (approximately 10-20 minutes, 70°F / 21°C), the joints can be formed, and the residual grout on the face of the tile can be removed easily by using a lightly dampened ARDEX sponge. Do not use excessive water.

Any dry film (haze) remaining on the tile surface can be removed easily by finishing or polishing with a dry or slightly damp terrycloth towel or ARDEX sponge after the grout has hardened completely in the joints.

In extremely warm conditions where the residual grout is left on the tile for too long to re-emulsify, the residual grout can be loosened using a white Scotch-Brite® pad. Apply gentle pressure to the pad, and work in a circular motion to loosen the grout. Carefully remove the slurry with a barely damp ARDEX sponge, rinsing the sponge with clean water after each pass.



## Notes

FOR PROFESSIONAL USE ONLY.

At 70°F (21°C), the working time of ARDEX FG-C is roughly 90 minutes, and the pot life is roughly 90 minutes. Jobsite conditions and temperature may affect working time and pot life.

This material is not stain-proof and should be cleaned and maintained regularly to keep the installation looking its best.

ARDEX FG-C is intended for installation at material and surface temperatures between 50° and 85° F (10° to 29° C). Do not install below 50°F (10°C) surface and air temperatures. For warm weather installation instructions, please contact the ARDEX Technical Service Department.

For high chemical resistance and specialized applications, please refer to the ARDEX WA™ EPOXY GROUT AND ADHESIVE technical brochure.

Some types of tiles may be prone to surface discoloration when using grout. As always, ARDEX recommends the installation of test areas to confirm the suitability of the product for the intended use.

Never mix with cement or additives. Observe the basic rules of tile work.

## Precautions

Carefully read and follow all precautions and warnings on the product label. For complete safety information, please refer to the Material Safety Data Sheet (MSDS) available at [www.ardexamericas.com](http://www.ardexamericas.com).

## Technical Data According to ARDEX Quality Standards

All data based on a mixing ratio of 3 parts powder to 1 part water by volume at 70°F (21°C). Physical properties are typical values and not specifications.

**Mixing Ratio:** 3 3/8 - 3 5/8 qt. (3.19 - 3.43 L) of water to one 25 lb. (11.3 kg) bag.  
1 3/8 - 1 1/2 qt. (1.3 - 1.4 L) of water to one 10 lb. (4.5 kg) box.  
For smaller batches, use 3 parts powder to 1 part water by volume.

**Pot Life:** Approx. 90 minutes

**Working Time:** Approx. 90 minutes

**Open to Traffic:** Approx. 4 hours

**Colors:** Please see below, or refer to the ARDEX Grout Color Chart, available at your local ARDEX distributor.

**VOC:** 0

**Packaging:** 25 lb. (11.3 kg) net weight bag  
10 lb. (4.5 kg) net weight box

**Storage:** Store in a cool dry area. Do not leave package exposed to sun.

**Shelf Life:** 1 year, if unopened.

**Warranty:** ARDEX Engineered Cements Standard Limited Warranty applies. Also eligible for the ARDEX SystemOne™ Warranty when used in conjunction with select ARDEX Tile and Stone Installation Products.

## Colors Available

Polar White 01  
Fresh Lilly 02  
Sugar Cookie 03  
Antique Ivory 04  
Winter White 05  
Classic Vanilla 06  
Floating Driftwood 07  
Vintage Linen 08  
Natural Almond 09  
Irish Crème 10  
Barley 11  
Wild Mushroom 12  
Stone Beach 13  
Chocolate Mousse 14  
Gray Dusk 15  
Ground Cocoa 16  
Coffee Bean 17  
Dove Gray 18  
Silver Shimmer 19  
Ocean Gray 20  
Slate Gray 21  
Cast Iron 22  
Charcoal Dust 23  
Black Licorice 24  
Stormy Mist 25  
Organic Earth 26  
Azure Blue 27  
Gentle Blush 28  
Fresh Magnolia 29  
Pink Champagne 30  
Burnt Orange 31  
Baked Terra Cotta 32  
Asparagus 33  
Summer Yellow 34  
Brilliant White 35

## Color Variance

Actual grout color may vary when dry, depending on installation conditions, substrate, type of tile installed and other factors.

To minimize the possibility of color variance between bags of the same color used on the same installation, mix all grout using the same amount of water.

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## ARDEX FG-C™ MICROTEC® Coverage in Sq. Ft.

Grout Joint Width (Inches)				
Tile Size (Inches)	1/16	1/8	3/16	1/4
1 x 1 x 1/4	97.3	50.3	34.6	26.9
2 x 2 x 1/4	191.4	97.3	65.7	50.3
4 1/4 x 4 1/4 x 5/16	322.2	162.3	108.7	82.4
4 x 8 x 1/2	252.6	127.0	84.9	64.2
6 x 6 x 1/2	284.1	142.8	95.5	72.2
8 x 8 x 3/8	504.5	253.2	169.0	127.6
12 x 12 x 3/8	755.7	378.9	252.6	190.4
13 x 13 x 3/8	818.6	410.3	273.5	206.1
16 x 16 x 3/8	1007.0	504.5	336.1	253.2
18 x 18 x 3/8	1132.6	567.3	377.9	284.6
24 x 24 x 3/8	1509.5	755.7	503.2	378.9

Coverage based on a 25 lb. (11.3 kg) bag. Actual coverage may vary based on jobsite conditions, tile textures and installation methods.

For easy-to-use ARDEX Product Calculators and Product Information On the Go, download the ARDEX App at the iTunes Store or the Android Marketplace.



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