ARDEX FL™
Rapid Set, Flexible, Sanded Grout

A Revolutionary New Consistency...Significantly Reduces Installation Time

Rapid set - open to traffic in just 90 minutes
Excellent color consistency
Use for grout joints from 1/16” to 1/2” (1.5 mm to 12.7 mm)
Use with porcelain, glass, quarry, ceramic and mosaic tile as well as most natural stone tiles*
Ideal for commercial and residential applications including swimming pools, showers and kitchens
No slake time needed
Stain resistant, water repellent and highly flexible
No sealer required
Use for interior or exterior applications - floors, walls, countertops
Easy to mix and apply - just add water
Available in 35 colors – see ARDEX Grout Color Chart

Colors Available
- Polar White 01
- Fresh Lily 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.

Made in the USA by ARDEX Engineered Cements, Aliquippa, PA 15001

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Updated 10-03-2013. Supercedes all previous versions.
Check www.ardexamericas.com for updates.
For easy-to-use ARDEX Product Calculators and Product Information On the Go, download the ARDEX App at the iTunes Store or Google Play.
ARDEX FL™
Rapid Set, Flexible, Sanded Grout

Description and Usage
ARDEX FL™ Rapid Set, Flexible, Sanded Grout is a high-performance, Portland cement-based, polymer-modified grout that provides a smooth finish for floor and wall tile joints 1/16" to 1/2" (1.5 mm to 12.7 mm) wide on installations of porcelain, glass, quarry, ceramic, mosaic, and most natural stone tiles.* Freeze/thaw resistant, stain-resistant, water repellent and naturally resistant to mold and mildew formation, ARDEX FL also is fast setting and can be open to traffic in just 90 minutes. With excellent flexibility and high bonding power, ARDEX FL is ideal for interior and exterior floor, wall and countertop applications, as well as for use in swimming pools with pH-balanced water.

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. Clean the tile surface to remove contaminants that may discolor the grout.

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.

Highly absorbent, textured or porous tiles may require sealing or treating with a grout release before grouting to prevent permanent staining.

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.

Mixing and Application
Mix each 25 lb. (11.3 kg) bag of ARDEX FL with 2 1/4 - 2 1/2 qt. (2.1 - 2.3 L) of clean water.
Mix each 10 lb. (4.5 kg) box of ARDEX FL with 28 - 32 oz. (0.8 - 0.9 L) of clean water.

To mix smaller quantities by hand, use 4 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 FL. 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 Mixing 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 FL has a working time of approximately 30 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, working at a 45° angle to the tile to avoid removing the grout from the joints.

Once the grout has taken a firm set in the joints (approximately 35-40 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.

While not required, a penetrating grout sealer can be applied. Follow sealer manufacturer’s recommendations for substrate preparation, application and cure.

Please note that ARDEX FL must set a minimum of 72 hours (70°F / 21°C) prior to being submerged in water.
Notes
FOR PROFESSIONAL USE ONLY.

At 70°F (21°C), the working time of ARDEX FL is roughly 30 minutes, and the pot life is approximately 30 minutes. Jobsite conditions and temperature may affect working time and pot life.

Please be advised that although this product will resist staining and clean more easily than virtually all other cement-based grouts, this material is not stain-proof and should be cleaned and maintained regularly to keep the installation looking its best.

ARDEX FL 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.

*ARDEX FL is not suitable for use with moisture sensitive stone.

Some types of tiles may be prone to scratching and 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.

Dispose of container and residue in accordance with federal, state and local waste disposal regulations. Do not flush material down drains.

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.

Technical Data According to ARDEX Quality Standards

All data based on a mixing ratio of 4 parts powder to 1 part water by volume at 70°F (21°C). Physical properties are typical values and not specifications.

Mixing Ratio: 2 1/4 - 2 1/2 qt. (2.1 - 2.3 L) of water to one 25 lb. (11.3 kg) bag. 28 - 32 oz. (0.8 - 0.9 L) of water to one 10 lb. (4.5 kg) box. For smaller batches, use 4 parts powder to 1 part water by volume.

Pot Life: Approx. 30 minutes

Working Time: Approx. 30 minutes

Open to Traffic: 90 minutes

Brinell Hardness: 1 Day 3 Days
5,000 psi 6,500 psi
351.5 kg/cm² 457 kg/cm²
34.5 MPa 44.9 MPa

7 Days 28 Days
8,000 psi 8,700 psi
562.4 kg/cm² 611.6 kg/cm²
55.2 MPa 60 MPa

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 & stone installation products.
Colors Available

Also refer to the ARDEX Grout Color Chart, available at your local ARDEX distributor.

Polar White 01
Fresh Lily 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
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For easy-to-use ARDEX Product Calculators and Product Information On the Go, download the ARDEX App at the iTunes Store or Google Play.

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