



# ARDEX AMERICAS Product Training Guide

Tile Mortars  
Crack Isolation & Waterproofing  
Grouting Systems



**CORNERSTONE**  
ARCHITECTURAL PRODUCTS



**tile & stone**  
Installation Systems

# ARDEX 8+9™

## Rapid Waterproofing and Crack Isolation Compound

Two-component, solvent-free, Portland cement and acrylic-based liquid system that produces a flexible waterproof coating to protect substrates from topside side water infiltration. ARDEX 8+9 provides an outstanding bonding layer for ARDEX tile and stone setting materials.

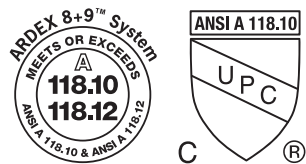
### Key Features

- Ideal for commercial or residential showers, bathrooms and kitchens
- Cement on cement for a stronger bond
- Rapid setting- tile in as little as 90 minutes
- Crack isolation up to 1/8" (3 mm)
- 1/3 less cost per sq. ft. than competitors' products
- Easy to mix and apply

### Installation

- **Packaging:**
  - Convenient kit: 1 gallon (3.78 L) ARDEX 8 / 9 lb. (4 kg) ARDEX 9
  - Commercial units: 3 gallons (11.34 L) ARDEX 8 / 27 lb. (12 kg) ARDEX 9
- **Coverage:**
  - Convenient kit: 100 sq. ft. per unit
  - Commercial units: 300 sq. ft. per unit
- **Pot life:** 45 minutes
- **Drying time:**
  - Initial coat: 30 to 45 minutes
  - Final coat: 60 minutes
- **Flood test:** 4 hours after the second coat has been applied

### Performance



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WATERPROOFING AND  
CRACK ISOLATION



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# ARDEX X 4™

## Tile and Stone Mortar

The ideal everyday tile and stone mortar delivering performance and value. A very easy to mix and apply, polymer-modified mortar with good sag resistance and strength. Use over common interior surfaces and horizontal exterior installations of porcelain tile over concrete or masonry surfaces. ARDEX 4 is recommended for most common tile sizes.

### Key Features

- Use for setting porcelain, quarry, ceramic and most natural stone tiles
- Water and frost resistant
- Interior and exterior use, floors and walls

### Installation

- **Packaging:** 40 lb. (18 kg) White or Gray
- **Coverage:**
  - 1/4" x 1/4" x 1/4" Sq. Notch Trowel  
80 sq. ft. (7.4 sq. m.) per unit
- **Open time:** 10 to 15 minutes
- **Pot life:** 3 hours
- **Working time:** 5 to 30 minutes
- **Time to grout:** Walls: 8 hours / Floors: 24 hours

### Performance



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# ARDEX MORTARS

# ARDEX X 5™

## Flexible Tile and Stone Mortar

The ideal everyday solution for the installation of large format tiles. A highly versatile, polymer modified mortar with an easy to apply creamy consistency ideal for setting all sizes of porcelain, ceramic, quarry, mosaic and most natural stone tile over common interior surfaces and exterior concrete and masonry surfaces.

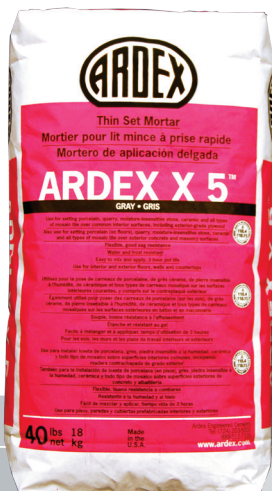
### Key Features

- Ideal for everyday large format tile installations
- Versatile and flexible with very good sag resistance
- Exterior or interior, floors and walls including porcelain
- Use as a thin set to medium bed up to a 3/4" sq. notch trowel
- Very creamy, easy to apply consistency and no slake time
- 10 Year Warranty when used to install Schluter®-DITRA®

### Installation

- **Packaging:** 40 lb. (18 kg) White or Gray
- **Coverage:**
  - 1/4" x 1/4" x 1/4" Sq. Notch Trowel
  - 80 sq. ft. (7.4 sq. m.) per unit
- **Open time:** 10 to 15 minutes
- **Pot life:** 3 hours
- **Working time:** 5 to 20 minutes
- **Time to grout:** Walls: 8 hours / Floors: 24 hours

### Performance



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# ARDEX MORTARS



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# ARDEX X 77™ MICROTEC®

## Fiber Reinforced Thin Set Mortar

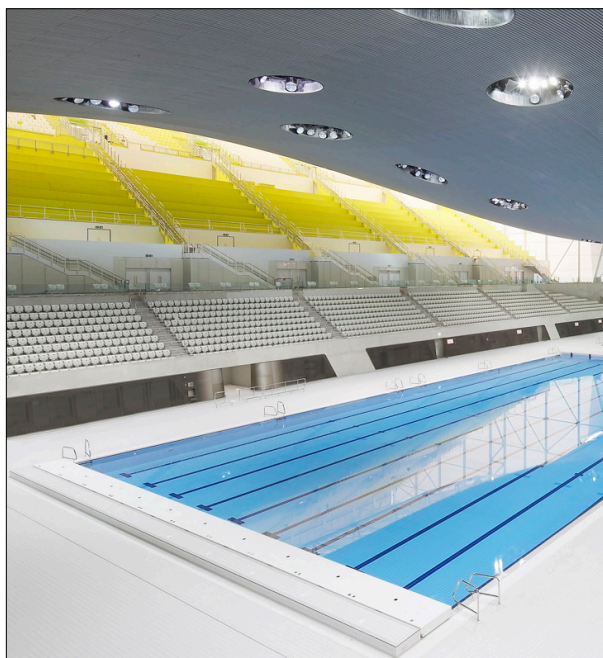
**ARDEX X 77 with revolutionary MICROTEC® Technology delivers unmatched benefits for the most demanding tile and stone installations**

### ARDEX MICROTEC® Technology

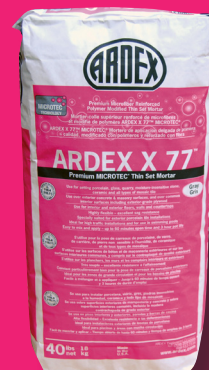
ARDEX innovation delivers the next generation in polymer modified thin set mortars, ARDEX MICROTEC® Technology. Comprised of a specialty blend of high performance microfibers and exclusive ARDEX polymer specialty cements, ARDEX MICROTEC® Technology provides real, tangible benefits for installers that translates into proven advantages by reducing time and costs of an installation.

ARDEX X 77 is formulated to handle today's most challenging installations including setting large format porcelain, glass, quarry, most natural stone, ceramic and all types of mosaic tile for exterior and interior installations.

- Large format tile (interior/exterior)
- High-traffic areas
- Exterior building facades
- Over in-floor heating systems
- Swimming pools
- Extended open time; up to 60 minutes – double the ISO standard
- Unmatched sag resistance - double the ISO standard
- Outstanding coverage – 110 sq. ft.
- Water and frost resistant, highly flexible
- Extremely easy to apply; creamy, smooth consistency
- 3 hour pot life
- Available in Gray 40 lb. bag; White 40 lb. and 20 lb. bags



For more information on ARDEX X 77 and the complete line of ARDEX Tile & Stone Installation Systems products please contact your local ARDEX Sales Professional at 888-512-7339 or visit [www.ardexamericas.com](http://www.ardexamericas.com)



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# ARDEX X 78™

## MICROTEC® Fiber Reinforced, Semi-Pourable, Tile and Stone Mortar

ARDEX X 78 is a high performance, microfiber reinforced, semi-pourable, tile and stone mortar especially formulated for horizontal, large format tile installations.

### Use for:

Porcelain, quarry, ceramic, mosaic and most natural stone tiles.



tile & stone  
Installation Systems

### Key Features

- Superior bond strength and highly flexible for excellent shear resistance
- Ideal for interior and exterior; floor and horizontal surface applications in high-traffic areas
- Very easy to mix and apply, creamy smooth semi-pourable consistency
- Use over in-floor heating systems
- Special additives virtually eliminate the chance of efflorescence

### Installation

- **Packaging:** 40 lb. (18 kg) White or Gray
- **Coverage:**
  - 1/4" x 1/4" x 1/4" Sq. Notch Trowel  
105 sq. ft (9.75 sq. m)
- **Open time:** 60 minutes- double the ISO standard
- **Pot life:** 4 hours
- **Working time:** up to 15 minutes
- **Time to grout floors:** 24 hours

### Performance

VOC: 0



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Refer to the technical data sheet at [www.ardexamericas.com](http://www.ardexamericas.com) or call 888-512-7339 prior to installation. For free ARDEX product training click on ARDEX Academy.

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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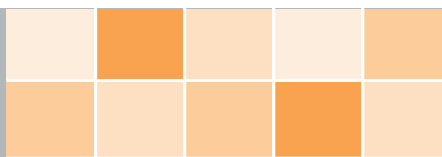
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ARDEX MORTARS



# ARDEX FL™

Rapid-set, Flexible,  
Sanded Grout



Highly-versatile grout with a revolutionary creamy and fluid consistency. ARDEX FL is extremely easy to apply and covers large areas in significantly less time than other grouts. Can be used with porcelain, glass, quarry, ceramic, mosaic and most natural stone tiles.

## Key Features

- Ideal for residential and commercial interior and exterior floor and walls
- Ideal for swimming pools, fountains and showers
- Stain resistant and water repellent
- Freeze/thaw resistant
- Naturally resistant to mold and mildew formation
- No sealer required
- No slake time
- Available in 35 ARDEX colors

## Installation

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

**Pot life:** Approx. 30 minutes

**Open to traffic:** 90 minutes

For grout joints from 1/16" to 1/2" (1.5 mm to 15 mm)

**VOC:** 0

## Performance



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ARDEX GROUTS

# ARDEX FH™

## Sanded Floor and Wall Grout

The ideal, every day, polymer-modified grout for use with most all common tiles including porcelain, glass, quarry, ceramic, mosaic and most natural stone tiles.

### Key Features

- ✦ Mix with water only
- ✦ Very easy to apply and clean
- ✦ Interior and exterior floor and wall applications
- ✦ Weather resistant
- ✦ Unaffected by water
- ✦ Available in 30 ARDEX colors

### Installation

- ✦ **Packaging:** 10 lb. (4.5 kg) box / 25 lb. (11.3 kg) bag
- ✦ **Working time:** 2 hours
- ✦ **Pot life:** 2 hours
- ✦ **Walkable:** 16 to 24 hours
- ✦ **For grout joints 1/16" to 3/4" (1.5 mm to 19 mm)**

### Performance

- ✦ **Brinell Hardness:** 6500 psi 457 kg/cm<sup>2</sup> 44.9 MPa at 7 days
- ✦ **VOC:** 0 g/L



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ARDEX GROUTS



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# ARDEX WA™

## Epoxy Grout and Adhesive

A revolutionary solvent-free, two-component epoxy grout and adhesive with a unique creamy consistency. It is particularly suited for installations in swimming pools, hot tubs, showers, bathrooms, breweries, food processing facilities, industrial, restaurant kitchens, hospitals or any installation requiring high standards of hygiene and chemical resistance. Use for setting all types of tile including glass tile.

**So easy to apply and clean you won't believe it's an epoxy!**

### Key Features

- Two-components
- Clean with water only
- Interior and exterior floor and wall applications
- Waterproof and frost resistant
- Available in 35 ARDEX colors
- 100% solids

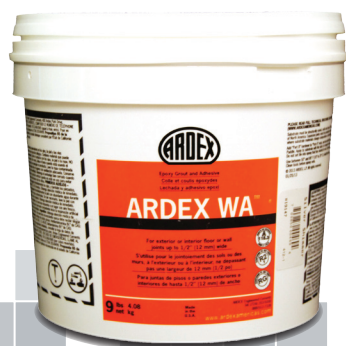
### Installation

- **Packaging:** Approx. 9 lb. (4.08 kg) net weight tub
- **Open Time:** Approx. 1 hour
- **Pot Life:** Approx. 40 minutes
- **Working Time:** Approx. 1 hour
- **Time to Grout:** 12 hours
- **Open to Traffic:**
  - 12 hours: Light foot traffic
  - 2 days: Full traffic loads
  - 7 days: ARDEX WA can be submerged and is resistant to aqueous salt solutions, chlorine water, swimming pool detergents, standard commercial and domestic cleaning agents, alkalis and a wide range of dilute mineral acids.

- For grout joints up to 1/2" (12 mm) wide



### Performance



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# ARDEX GROUTS

# ARDEX FG-C™

## MICROTEC® Unsanded Floor & Wall Grout

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.

Use for porcelain, glass, quarry, ceramic and mosaic tile, as well as most natural stone tiles.\*

### Key Features

- **High-strength:** for joints up to 1/4" (6 mm), porcelain joints up to 1/8" (3 mm)
- **Excellent color consistency**
- **Stain resistant**
- **Water and frost resistant**
- **For interior and exterior floors, walls and showers**
- **Antimicrobial**
- **Mold and mildew resistant**
- **Available in 35 ARDEX colors**

### Installation

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

**Pot life:** 90 minutes

**Working Time:** 90 minutes

**Open to traffic:** 4 hours

**VOC:** 0

### Performance

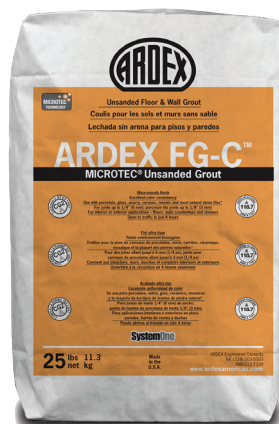
\*ARDEX FG-C is not suitable for use with moisture-sensitive stone. \*\*For porcelain tiles 1/8" or wider in high-stress areas, use ARDEX FL™ Rapid Set, Flexible Sanded Grout



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ARDEX GROUTS



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## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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