



AMERICAS



# ARDEX AMERICAS Product Selection Guide

Subfloor Preparation

ARDIFLO™ Pumping Systems

ARDEX MC™ Moisture Control Systems

ARDEX Designer Floors™

ARDEX Polished Concrete Systems™

Engineered Concrete Repair Systems

ARDEX Tools

CHOOSE  
**YOUR**  
SOLUTION

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## ARDEX AMERICAS LINE OF SUPERIOR PRODUCTS

- Tile & Stone Installation Systems
- Subfloor Preparation and Toppings
- ARDEX MC™ Moisture Control Systems
- ARDEX Polished Concrete Systems™ (APCS)
- Engineered Concrete Repair Systems (ECRS)
- ARDEX PANDOMO®
- ARDIFLO™ Pumping Systems
- ARDEX Concrete Management Systems™ (ACMS™)
- HENRY® Adhesives



Low VOC | Low Odor | Contributes to LEED® points

ARDEX Americas works tirelessly to develop new formulas that consume fewer natural resources and reduce emissions.

# Crack & Joint Treatments

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## ARDEX ARDIFIX™ Low Viscosity Rigid Polyurethane Crack & Joint Repair

### Key Features

Two-part polyurethane  
Service temperature range of -35°F to 110°F (-37 to 43°C)  
Extremely low viscosity allows for deep penetration  
Repairs very fine cracks  
Mix with sand for larger cracks or repair of spalls and pop-outs  
No shrinkage  
100% solids  
Non-flammable

### Installation

*Packaging:* 21.2 oz. (627 ml) dual cartridge  
*Coverage:* varies with depth of fill area  
*Initial set:* 2 minutes  
*Tack free:* 10 minutes  
*Full service:* 45 minutes  
*Grind smooth:* 45 minutes

### Performance

*ASTM D638 Tensile Strength:* approx. 4150 psi (292 kg/cm<sup>2</sup>)  
*ASTM D638 Elongation:* 6%  
*ASTM D624 Die C Tear:* 243 pli  
*Shore D Hardness:* 70  
*Viscosity:* 60 cps  
*VOC:* 0 g/L

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## ARDEX ARDISEAL™ RAPID PLUS Semi-Rigid Joint Sealant

### Key Features

Two-part semi-rigid joint sealant  
Service temperature of -40°F to 120°F (-40°C to 48°C)  
Low odor  
Abrasion resistant  
Self-leveling consistency  
100% solids by weight  
100% solids with no shrinkage

### Installation

*Packaging:* 21.6 oz dual cartridge  
*Coverage:* 53 linear feet at 1/8" wide by 1/2" deep (approx. 16 m at 0.32 cm wide by 1.3 cm deep)  
*Pot life:* 3 minutes  
*Cure time:* 90 minutes

### Performance

*ASTM D412 Tensile Strength:* approx. 1200 psi (84 kg/cm<sup>2</sup>)  
*ASTM D412 Elongation:* 82%  
*ASTM C882 Bond Strength:* 400 psi (28 kg/cm<sup>2</sup>)  
*ASTM D2240 Shore A Hardness:* 75 to 80  
*VOC:* 8 g/L

This product is not designed to be UV stable.

**ARDEX ARDIFIX™ cures fast to a rigid bond while ARDEX ARDISEAL™ cures to a semi-rigid bond. Call your ARDEX Sales Professional for the best solution for your next project 888-512-7339.**

# Patching Compounds

## ARDEX FEATHER FINISH® Self-Drying, Cement-Based Finish Underlayment

*Install over:* concrete, masonry, wood, terrazzo, and ceramic and quarry tile - as well as properly prepared residues of cutback and other non-water-soluble adhesives on concrete without the need for priming or latex additive

### Key Features

Blend of hydraulic and other cements  
Self-drying matrix  
Mixes with water only  
Trowelable  
Mold and mildew resistant  
Interior

### Installation

*General priming recommendations:* Porous surfaces - No priming required  
Gypsum underlayment - ARDEX P 51™ Primer  
Most non-porous surfaces (epoxy coating systems, metal and concrete treated with silicate compounds) must be primed with ARDEX P 82™ Ultra Prime

*Packaging:* 10 lb (4.5 kg)  
*Coverage:* Up to 300 sq. ft. per bag (27.9 m²)  
*Thickness:* True featheredge  
1/2 in. (13 mm) over large areas  
Any depth in small areas

*Pot life:* 20 minutes (may be retempered)

*Install floor coverings:* 15 minutes

### Performance

VOC: 0

## ARDEX SD-P® Self-Drying, Fast Setting Concrete Underlayment

*Install over:* concrete floors, ramps, and stairways, as well as non-porous substrates such as terrazzo, ceramic and quarry tile

### Key Features

Most floor coverings can be installed immediately  
Portland cement chemistry  
Self-drying matrix  
Mixes with water only  
Trowelable  
Interior

### Installation

*General priming recommendations:* Concrete - no primer required  
Non-porous substrates - ARDEX P 82™ Ultra Prime

*Packaging:* 20 and 40 lb (9 and 18 kg)  
*Coverage:* 50 sq. ft. per 40 lb bag at 1/8" (4.65 m² at 3 mm)  
*Thickness:* Featheredge: up to 1" (2.5 cm) over large areas  
Aggregate: up to 3" (7.5 cm) in areas up to 4 sq. ft. (0.37 m²)

*Pot life:* 15 to 20 minutes

*Install floor coverings:* 60 minutes

### Performance

ASTM C191 Initial Set: approx. 15 minutes  
ASTM C191 Final Set: approx. 60 minutes  
ASTM C109 Compressive Strength mod (air cure only): 4200 psi (295.3 kg/cm²) at 28 days  
ASTM C348 Flexural Strength: 1000 psi (70 kg/cm²) at 28 days  
VOC: 0

# Patching Compounds

## ARDEX FORTI FINISH™ High Strength Self-Drying Finishing Underlayment

Install over: concrete and prepared adhesive residues on concrete

### Key Features

Polymer-modified  
Self-drying matrix  
Mixes with water only  
Trowelable  
Interior

### Installation

General priming recommendations: No priming required  
Packaging: 10 lb (4.5 kg)  
Coverage: 40 sq. ft. per bag at 1/16" (3.7 m<sup>2</sup> at 1.5 mm)  
Thickness: Install from a true featheredge to any depth  
Pot life: 15 to 20 minutes  
Install floor coverings: 15 minutes

### Performance

ASTM C109 Compressive Strength mod (air cure only):  
2000 psi (140 kg/cm<sup>2</sup>) at one day  
More than 5000 psi (350 kg/cm<sup>2</sup>) at 7 days  
More than 7800 psi (546 kg/cm<sup>2</sup>) at 28 days  
VOC: 0

## ARDEX SKM™ Skim Finish - Skimcoat Patch & Finishing Underlayment

Install over: concrete, wood, ceramic and quarry tile, and non-water soluble adhesive residues on concrete

### Key Features

Portland cement-based  
Mixes with water only  
Trowelable  
Interior  
For installations over embossed sheet flooring, contact ARDEX Technical Service Department.

### Installation

General priming recommendations: No priming required  
Packaging: 10 lb (4.5 kg)  
Coverage: 120 sq. ft. per bag at 1/32" (11.1 m<sup>2</sup> at 0.79 mm)  
Mixing ratio: 1.5 quarts (1.4 L) water per 10 lb (4.5 kg) bag.  
For smaller batches, use 3 parts powder to 1 part water by volume  
Thickness: Featheredge up to 1/2" (12 mm)  
Pot life: 15 minutes  
Walkable: 30 minutes  
Install floor coverings: 1 to 2 hours

### Performance

VOC: 0

**ARDEX FEATHER FINISH® uses Self-Drying Technology. Install floor covering in as little as 15 minutes. Up to 300 sq. ft. per bag (27 m<sup>2</sup>).**

# Patching Compounds

## ARDEX GPS™ General Patch & Skimcoat

Install over: interior concrete, wood, ceramic tile, and cutback and other non-water soluble adhesive residues on concrete; use over vinyl composition tile (VCT) and as an embossing filler for residential sheet vinyl

### Key Features

- Portland cement-based
- Mixes with water only
- Trowelable
- Interior
- Can be used as an embossing leveler

### Installation

- Packaging: 25 lb (11.34 kg)
- Coverage: Approx. 700 to 800 sq. ft. (65 to 74 m²) at a skim coat
- Thickness: Featheredge up to 1/2" (12 mm)
- Pot life: 15 minutes
- Mixing ratio for embossing leveler: 2 quarts (1.9 L) of ARDEX E 25 and 3 quarts (2.8 L) of water per bag
- Walkable: 30 minutes
- Install floor coverings: 1 to 2 hours

### Performance

- ASTM C109 Compressive Strength mod (air cure only): 4000 psi (281 kg/cm²) at 28 days
- VOC: 0

## ARDEX EB 2™ Fast Setting Screed Cement

### Key Features

- Rapid setting
- Mixes with water only
- Ideal as a screed bed for tile and stone installations
- For bonded, unbonded and floating screed beds
- Ideal for high traffic installations
- Interior or exterior

### Installation

- Packaging: 50 lbs (22 kg)
- Coverage: 40 sq. ft. at 3/4" (3.7 m² at 1.9 cm)\* with 5:1 sand
- Thickness: Bonded Screed Bed - 3/4" to 2" (1.9 to 5 cm)  
Unbonded Screed Bed - 2" (5 cm) to no limit  
Floating Screed Bed - 3" (7.5 cm) to no limit
- Working Time: 60 minutes
- Walkable: 3 hours
- Install: Tile in 3 hours  
All other floor coverings in 24 hours\*

### Performance

- ASTM C109 Compressive Strength mod (air cure only): up to 8,400 psi (590 kg/cm²)\* at 28 days.
- VOC: 0

\*Varies based on mix ratio and depth.

## Related products:

- Engineered Concrete Repair Systems
  - ARDEX TRM™ Transportation Repair Mortar Fast-Setting Horizontal Concrete Repair Mortar
  - ARDEX CP™ Concrete Patch

- ARDEX Moisture Control Systems
  - ARDEX MRP™ Moisture Resistant Patch for Concrete to receive ARDEX Moisture Control Systems

# ARDEX Tools

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## ARDEX Tool Kit

For the installation of Engineered Cements®

The ARDEX Tool Kit contains all of the standard mixing and installation equipment needed for ARDEX Engineered Cements

**ARDEX T-10 Black Mixing Barrel** - for easy mixing of two bag batches. Includes lid for storage

**ARDEX T-1 Mixing Paddle** - contoured to the inside of the barrel for fast and thorough mixing

**ARDEX T-4 Spreader** - for gauging installed product thickness

**ARDEX T-5 Smoother** - for maximum smoothness and featheredging / touch-ups

**ARDEX Mixing Buckets** - pre-measured for precise water control necessary for the successful installation of product

**ARDEX T-2 Mixing Paddle** - special design for speed and thorough mixing (not included in kit)



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## ARDEX SPIKED ROLLER

Ideal for ARDEX K 60™ ARDITEX

T-6 = 24" Roller (13/16" plastic spikes) + Aluminum Frame

T-6R = 24" Roller Replacements (13/16" plastic spikes) – 4 rollers to a carton

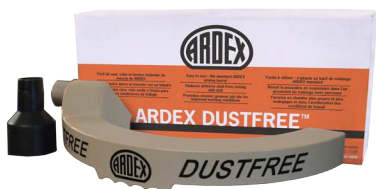


Ideal for  
**ARDEX K 60™**  
**ARDITEX** and  
**ARDEX K 10™**

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## ARDEX DUSTFREE™ Dust Reducing Unit for ARDEX Mixing Barrels

When placed on an ARDEX T-10 Black Mixing Barrel and connected to a standard shop vacuum, the ARDEX DUSTFREE™ will help eliminate dust.



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## ARDEX ARDIPEG™ Self-Leveling Pins

An inexpensive, time-saving option for mapping elevation requirements when using ARDEX Self-Leveling Underlayments. 2.5" (6.3 cm) pin \ 250 per box



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**Always check the current Technical Data Sheet for  
each product at [www.ardexamericas.com](http://www.ardexamericas.com)**



# Primers

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## ARDEX EP 2000™ Substrate Preparation Epoxy Primer

*Install over:* terrazzo, epoxy coatings and ceramic and quarry tile, prior to installing ARDEX products

### Key Features

Required primer for ARDEX Toppings  
Can provide secondary top-down waterproofing  
Can be used as crack filling material  
Receives sand broadcast  
Solvent-free  
Low viscosity  
Interior and exterior

### Installation

*Packaging:* 10 lb (4.5 kg)  
*Coverage:* 150 to 200 sq. ft. (13.9 to 18.2 m<sup>2</sup>)  
*Thickness:* One coat with a sand broadcast  
*Working time:* 30 minutes  
*Pot life:* 30 minutes  
*Walkable:* 6 hours after sand broadcast  
*Install underlayment:* 16 hours after sand broadcast

### Performance

VOC: 0 g/L

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## ARDEX P 51™ Primer

*Specific substrate preparation requirements are provided in the individual Technical Brochures for each ARDEX product.*

*Install over:* standard absorbent dry concrete substrates and other substrates in specialized applications; over wood use ARDEX GS-4™ or ARDEX Liquid BackerBoard®. Non-porous substrates must be primed with ARDEX P 82™ Ultra Prime.

### Key Features

Solvent-free  
Concentrated primer - dilutes with water  
Seals the substrate  
Interior

### Installation

*Packaging:* 1 gal (3.79 L) plastic bottle or 4 gal (15.14 L) plastic pail  
*Coverage:* 400 to 600 sq. ft. per gal (37 to 55 m<sup>2</sup>)  
*Dry time:* Min. 3 hours, max. 24 hours; 1 to 3 hours between coats if double priming

### Performance

VOC: 0 g/L

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## ARDEX P 82™ Ultra Prime

*Specific substrate preparation requirements are provided in the individual Technical Brochures for each ARDEX product.*

*Install over:* smooth, non-absorbent substrates such as ceramic and other stone tiles, terrazzo, epoxy and metal decking; ARDEX P 82™ also is used over wooden subfloors, including plywood and strip wood, as well as over cutback and other non-water-soluble adhesive residues.

### Key Features

Solvent-free  
Waterborne two-component  
Seals the substrate  
Interior

### Installation

*Packaging:* Two 1/2 gal containers (1.89 L)  
*Coverage:* Over wood substrates - 300 to 400 sq. ft. per gal  
Over burnished concrete and over ceramic and quarry tile - 400 to 500 sq. ft. per gal  
Over epoxy, metal, and other smooth, non-porous surfaces - 500 to 600 sq. ft. per gal  
*Dry time:* Min. 3 hours, max. 24 hours

### Performance

VOC: 0 g/L



# Self-Leveling Underlayments

## CHOOSE YOUR SOLUTION

Engineered Cements® providing the architect, contractor, installer and interior designer with the choice to fill every budget, timeline and installation challenge.

### Choose High-Flow

**ARDEX K 16™** lets you choose a self-leveler that installs at a thin coat with high compressive strength.

### Choose the Benchmark

**ARDEX K 15®** is the original and the most specified self-leveler in North America.

### Choose Faster Dry Time

**ARDEX K 13™** installs up to 1" (2.5 cm) even in larger areas, install flooring in just 16 hours.

### Choose Reactivable™

**ARDEX K 10™** has a 25-minute healing time. Reactivate the material with a spike roller.

### Choose The Workhorse

**ARDEX V 1200™** Self-Leveling Underlayment is the trusted leveler for large jobs on tight schedules.

### Choose Versatile, No Water

**ARDEX K 60™ ARDITEX** offers unmatched flexibility and adhesion. No time – No Problem.



### Choose High-Flow

#### **ARDEX K 16™ High-Flow, Self-Leveling Underlayment**

Install over: Interior concrete, terrazzo, ceramic and quarry tile, epoxy coating systems and non-water soluble adhesive residue on concrete

#### **Key Features**

- High-flow material
- Pourable or pumpable
- Interior use; Use on, above or below grade
- Mixes with water only

#### **Installation**

General Priming

Recommendations: Absorbent Concrete use ARDEX P 51™ Primer  
Extremely absorbent concrete two coats ARDEX P 51™  
Non-Porous substrates use ARDEX P 82™ Ultra Prime.

- Packaging: 50 lb. (22.7 kg) bag
- Coverage: 28 sq. ft. per bag at 1/4" (2.6 m<sup>2</sup> at 6 mm)  
56 sq. ft. per bag at 1/8" (5.2 m<sup>2</sup> at 3 mm)
- Thickness: Levels at 1/8" (3 mm)  
Installs from 1/16" to 1/2" (1.5 to 12 mm)  
Can be tapered
- Flow time: 10 minutes
- Walkable: 2 to 3 hours

Install Floor

- Coverings: Moisture-insensitive tile (ceramic, quarry, porcelain) -  
Less than 3/8" (9 mm) - 6 hour  
More than 3/8" (9 mm) - 16 hours  
Carpet, vinyl sheet, vinyl tile, vinyl plank, rubber, linoleum-  
Less than 3/8" (9 mm) - 6 hours  
More than 3/8" (9 mm) - Mat test  
All other floor coverings - Mat test

#### **Performance**

- ASTM C109 Compressive Strength mod (air cure only): 5,300 psi (371 kg/cm<sup>2</sup>) at 28 days
- ASTM C348 Flexural Strength: 1,000 psi (70 kg/cm<sup>2</sup>) at 28 days
- Tested in Accordance with ASTM C1708
- VOC: 0

Always check the current Technical Data Sheet for each product at [www.ardexamericas.com](http://www.ardexamericas.com)

# Self-Leveling Underlayments

## Choose the Benchmark

### ARDEX K 15® Premium Self-Leveling Underlayment

Install over: interior concrete, terrazzo, ceramic and quarry tile, epoxy coating systems, wood, metal and non-water soluble adhesive residue on concrete; can be installed over concrete treated with certain curing compounds

#### Key Features

Formulated with a special blend of polymers  
Pourable or pumpable  
Interior; Use on, above or below grade  
Mixes with water only

#### Installation

General priming

recommendations: Concrete - ARDEX P 51™ Primer

Most non-porous substrates, epoxy coatings,  
adhesive residue - ARDEX P 82™ Ultra Prime

Packaging: 55 lb (25 kg)

Coverage: 30 sq. ft. per bag at 1/4" (2.8 m² at 6 mm)

Thickness: Levels at 1/4" (6 mm)

Installs from 1/8" to 1 1/2" (3 mm to 4 cm) neat

Up to 5" (13 cm) with aggregate

Can be tapered

Flow time: 10 minutes

Walkable: 2 to 3 hours

Install floor

coverings: Moisture-insensitive tile and stone - 6 hours

All other floor coverings - 16 hours

#### Performance

ASTM C191 Initial Set: Approx. 30 minutes

ASTM C191 Final Set: Approx. 90 minutes

ASTM C109 Compressive Strength mod (air cure only): 5500 psi  
(386 kg/cm²) at 28 days

ASTM C348 Flexural Strength: 1000 psi (70 kg/cm²) at 28 days

VOC: 0

## Choose Faster Dry Time

### ARDEX K 13™ Premium Self-Leveling Underlayment

Install over: interior concrete, terrazzo, ceramic and quarry tile, epoxy coating systems and non-water soluble adhesive residue on concrete

#### Key Features

Up to 1" (2.5 cm) over large areas  
Pourable and pumpable  
Interior use; Use on, above or below grade  
Mix with water only

#### Installation

General Priming

Recommendations: Absorbent Concrete use ARDEX P 51™ Primer

Extremely absorbent concrete two coats ARDEX P 51™

Non-Porous substrates use ARDEX P 82™ Ultra Prime.

Packaging: 50 lb. (22.7 kg)

Coverage: 26 sq. ft. per bag at 1/4" (2.42 m² at 6 mm)

Thickness: Levels at 1/4" (6 mm)

Installs from 1/8" to 1" (3 mm to 2.5 cm)

Can be tapered

Walkable: 2 to 3 hours

Flow Time: 10 minutes

Install: Moisture-insensitive tile and stone after 6 hours

Most other floor coverings after 16 hours

#### Performance

ASTM C109 Compressive Strength mod (air cure only): 5,300 psi  
(371 kg/cm²) at 28 days

ASTM C348 Flexural Strength: 1,000 psi (70 kg/cm²) at 28 days

Tested in Accordance with ASTM C1708

VOC: 0

# Self-Leveling Underlayments

## Choose Reactivable™

### ARDEX K 10™ Reactivable™, High-Flow, Self-Leveling Underlayment

When installed using the ARDEX T-6 Spiked Roller, ARDEX K 10 has a healing time of up to 25 minutes.

*Install over:* interior concrete, terrazzo, ceramic and quarry tile, epoxy coating systems and non-water soluble adhesive residue on concrete. Can be installed over concrete treated with certain curing compounds. Refer to the technical data sheet.

#### Key Features

A blend of Portland cement and other hydraulic cements Reactivable™

Mixes with water

Pour or pump; Compatible with the ROVER® and the AMP®

Interior use only; On, above or below grade

#### Installation

*General Priming*

*Recommendations:* Standard absorbent concrete: ARDEX P 51™ Primer  
Extremely absorbent concrete may require two applications of ARDEX P 51

*Package:* Non-porous substrates - ARDEX P 82™ Ultra Prime  
50 lb. (22.7 kg) bag

*Coverage:* 50 sq. ft. per bag at 1/8" (4.65 sq. m at 3 mm)  
Coverage will vary depending on the texture of the surface being smoothed

*Thickness:* Levels at 1/8" (3 mm); Installs from 1/16" to 1/2" (1.5 to 12 mm); Can be tapered

*Flow time:* Up to 10 minutes

*Walk on:* 2 to 3 hours

*Install:* Moisture-insensitive tile and stone - 6 hours  
Most other floor coverings - 24 hours

#### Performance

*ASTM C109 Compressive Strength/mod (air cure only):* 4,700 psi (329 kg/cm²) at 28 days

*ASTM C348 Flexural Strength:* 1,000 psi (70 kg/cm²) at 28 days

*VOC:* 0

## Choose the Workhorse

### ARDEX V 1200™ Self-Leveling Underlayment

*Install over:* interior concrete, terrazzo, ceramic tile substrates and adhesive residues

#### Key Features

Pourable or pumpable

Interior; Use on, above or below grade

Mixes with water only

#### Installation

*General priming*

*recommendations:* Concrete - ARDEX P 51™ Primer  
Most non-porous substrates, epoxy coatings, adhesive residue - ARDEX P 82™ Ultra Prime

*Packaging:* 50 lb (22.7 kg)

*Coverage:* 25 sq. ft. per bag at 1/4" (2.3 m² at 6 mm)

*Thickness:* Levels at 1/4" (6 mm); Installs from 1/8" to 1 1/4" (3 mm to 3 cm); Can be tapered

*Flow time:* 10 minutes

*Walkable:* 3 hours

*Install floor coverings:* 1 to 3 days  
For installations of 3/8" (9.5 mm) or less -  
Ceramic, quarry, porcelain tile: 6 hours  
Porous-backed carpet: 12 hours  
For installations more than 3/8" (9.5 mm) -  
Ceramic, quarry, porcelain tile: 6 hours  
All other floor coverings: Mat test

Consult the ARDEX Technical Department or your ARDEX Sales Professional

#### Performance

*ASTM C191 Initial Set:* Approx. 30 minutes

*ASTM C191 Final Set:* Approx. 60 minutes

*ASTM C109 Compressive Strength mod (air cure only):* 4500 psi (316 kg/cm²) at 28 days

*ASTM C348 Flexural Strength:* 1000 psi (70 kg/cm²) at 28 days

*VOC:* 0

# Self-Leveling Underlayments

## Choose Versatile, No Water

### ARDEX K 60™ ARDITEX Rapid Setting Latex Smoothing and Leveling Compound

Install over: interior concrete, terrazzo, ceramic and quarry tile, steel, select epoxy coating systems and non-water-soluble adhesive residue

#### Key Features

No mechanical profiling required  
No priming required in most applications  
No water required  
Portland cement and other hydraulic cements  
Self-smoothing, trowelable  
Interior; Use on, above or below grade

#### Installation

General priming

recommendations: When required

Packaging: 35 lb (15.9 kg) and 1 gal (3.8 L) bottle

Coverage: 21 sq. ft. per bag at 1/4" (1.95 m<sup>2</sup> at 6 mm)

Thickness: Levels at 1/8" (3 mm)  
Installs from 1/16" to 1/2" (1.5 mm to 12 mm)  
Featheredge to match existing elevations

Flow time: 10 minutes

Walkable: 2 to 3 hours

Install floor

coverings: Moisture insensitive tiles - 6 hours

Porous-backed carpet - 12 hours

Other flooring - 16 to 24 hours

#### Performance

ASTM C191 Initial Set: Approx. 30 minutes

ASTM C191 Final Set: Approx. 60 minutes

ASTM C109 Modified Compressive Strength: 3500 psi (246 kg/cm<sup>2</sup>)

ASTM E10 modified Brinell Hardness: Approx. 3,000 psi

(210 kg/cm<sup>2</sup>) at 24 hours

VOC: 0

## Choose Gypsum or Wood

### ARDEX GS-4™ Self-Leveling Repair Underlayment for Distressed Gypsum and Wood Subfloors

Install over: gypsum and wood substrates and hydronic or low-voltage electrical in-floor heating systems

#### Key Features

Blend of high strength gypsum and Portland cements  
Pourable or pumpable  
Interior  
Use above grade  
Mixes with water only

#### Installation

General priming

recommendations:

Gypsum, wood - ARDEX P 51™ Primer

Packaging: 50 lb (22.7 kg)

Coverage: 22 sq. ft. per bag at 1/4" (2 m<sup>2</sup> at 6 mm)

Thickness: Levels at 1/4" (6 mm),  
Installs from 1/8" (3 mm) up to 2" (5 cm) neat  
Up to 5" (13 cm) with aggregate  
Can be tapered to 1/16" (1.5 mm)

Flow time: 10 minutes

Walkable: 3 hours

Install floor

coverings: 3 days

#### Performance

ASTM C191 Initial Set: Approx. 30 minutes

ASTM C191 Final Set: Approx. 60 minutes

ASTM C109 Compressive Strength mod (air cure only): 5500 psi  
(386 kg/cm<sup>2</sup>) at 28 days

ASTM C348 Flexural Strength: 1500 psi (105 kg/cm<sup>2</sup>) at 28 days

VOC: 0

Always check the current Technical Data Sheet for  
each product at [www.ardexamericas.com](http://www.ardexamericas.com)

# Self-Leveling Underlayments

## Choose Low Prep

### ARDEX LU 100™ Self-Leveling Flooring Underlayment

Install over: new or existing concrete, well-bonded VCT, existing patching and leveling materials where complete removal is not an option and non-water-soluble adhesive residue on concrete

#### Key Features

- Pourable or pumpable
- Low shrinkage
- Interior
- Use above grade
- Mixes with water only

#### Installation

General priming recommendations:

	Concrete - ARDEX P 51™ Primer
	Most non-porous substrates, epoxy coatings, adhesive residue - ARDEX P 82™ Ultra Prime
Packaging:	50 lb (22.7 kg)
Coverage:	22 sq. ft. per bag at 1/4" (2 m² at 6 mm)
Thickness:	Levels at 1/4" (6 mm)
	Installs from 1/8" (3 mm) to any thickness
	Can be tapered
Flow time:	10 minutes
Walkable:	3 hours
Install floor coverings:	As soon as the underlayment has dried sufficiently for the floor covering selected, generally 2 to 3 days

#### Performance

- ASTM C191 Initial Set: Approx. 30 minutes
- ASTM C191 Final Set: Approx. 60 minutes
- ASTM C109 Compressive Strength mod (air cure only): 5000 psi (351 kg/cm²) at 28 days
- ASTM C348 Flexural Strength: 1000 psi (70 kg/cm²) at 28 days
- VOC: 0

## Related products

- Concrete Crack & Joint Treatments**
  - ARDEX ARDIFIX™ Low Viscosity Rigid Polyurethane Crack & Joint Repair
  - ARDEX ARDISEAL™ RAPID PLUS Semi-Rigid Joint Sealant
- Primers**
  - ARDEX EP 2000™ Substrate Preparation Epoxy Primer
  - ARDEX P 51™ Primer
  - ARDEX P 82™ Ultra Prime
- Product Additives**
  - ARDEX E 25 Resilient Emulsion
- Sealer:**
  - ARDEX CG Concrete Guard™ High-performance, high solids, water-borne acrylic concrete sealer

**ARDEX FEATHER FINISH® may be used as an embossing filler when mixed with ARDEX P 82™ ULTRA PRIME**

# Product Additives

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## ARDEX E 25 Resilient Emulsion

Improves the modulus of elasticity and the cohesive and flexural strengths of ARDEX K 15® Premium Self-Leveling Underlayment and ARDEX K 500™ Self-Leveling Concrete Topping. Use with ARDEX K 500™ for high stress areas subject to forklift traffic.

Install over: cutback and other adhesive residues, metal and the mesh-reinforced wood subfloor system

### Key Features

Part of the ARDEX K 15® and ARDEX E 25 Underlayment Systems Interior

### Installation

Packaging: 1 gal (3.8 L)

### Mixing ratio:

ARDEX K 15® - Add 2 quarts with 6 quarts of water, then add powder

ARDEX K 500™ - Add 2 quarts with 5 quarts of water, then add powder

Working Time: Based on powder product performance

Walkable: Based on powder product performance

Install: Based on powder product performance

### Performance

Based on powder product performance

**ARDEX Concrete Management Systems™ (ACMS™)**  
**Reduce new slab cure times from 28 days to as little as seven. Call your ARDEX Sales Professional to find out how. 888-512-7339. US Patent 8,857,130 B1**

**FOR THE OWNER** – ACMS ensures your floors will be as level as needed for your application, minimizes schedule delays for the installation of flooring and eliminates disruptions of service to reinstall failed floor coverings due to flatness or moisture issues.

**FOR THE SPECIFIER** – ACMS removes floor covering performance concerns due to deflection, floor levelness and moisture issues – all from one global manufacturer with decades of industry success – providing the ultimate peace of mind.

**FOR THE GENERAL CONTRACTOR** – ACMS ensures floors will be as level as needed for the owner's application, minimizes schedule delays for the installation of flooring and removes floor levelness and moisture concerns from the equation.





# ARDIFLO™ Pumping Systems

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Equipment ranging from traditional mixing barrels to standard, medium and high-capacity pumping systems. Each system is available with a broad range of training and support options, tailored warranty and contractor programs.

## **POWERFLO® High-Capacity Pump Trailer**

For larger projects, at up to 33,000 pounds (14,968 kg) pumped per hour, the POWERFLO® can level a 100,000 square-foot project in less than six hours.



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## **CUBE® Medium-Capacity Mobile Mixing Pump**

Accepts bulk super sacks of ARDEX material with a 7,500-pound (3,401 kg) bulk hopper with a bag-piercing device to provide top load capability. The CUBE® pumps up to 24,000 pounds (10,886 kg) per hour, 150 feet (45.7 m) vertically or 400 feet (121.9 m) horizontally (a maximum height of 150 feet results in 250 feet horizontally, a total of 400 linear feet). US Patent Pending.



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## **AMP® Automatic Mixing Pumps**

AMP® 100 Standard Model

AMP® 200 High-Output Model

For intermediate projects, a selection of models of the AMP® 100, AMP® 200 or CUBE® can deliver the precise capacity and convenience needed.



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## **ROVER® Rolling Barrel Cart**

For smaller jobs, the ROVER® enables a single installer to mix, deliver and pour up to three bags in a single process.



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## **Self-Leveling Underlayments**

ARDEX HC 100™ High-Capacity Self-Leveling Underlayment

ARDEX HC 100R™ High-Capacity Rapid Self-Leveling Underlayment

2,200-lb Super Sacks (997 kg) of Engineered Cements® designed for ARDIFLO™

**Always check the current Technical Data Sheet for each product at [www.ardexamericas.com](http://www.ardexamericas.com)**



# ARDEX MC™ Moisture Control Systems

## ARDEX MC™ RAPID One-Coat Moisture Control System For Concrete to Receive ARDEX Underlayments

### Key Features

No sand broadcast required for underlayment applications of 1/4" (6 mm) or less  
For RH readings up to 100%  
Solvent free  
Alkali resistant  
Tenacious bond to substrate  
100% solids epoxy resin system

### Installation

Packaging: 22 lb unit  
Coverage on CSP 3  
Prepared Concrete: max. 270 sq. ft. (25 sq. m) per mixed unit\*  
Working time: 20 minutes  
Pot life: 20 minutes  
Walkable: 4 hours  
Prime and install underlayment: 4 hours

### Performance

ASTM E96 perm rating: 0.06 perms

*\*Rapid coverage varies when used with ARDEX Concrete Management Systems™ (ACMS™) US Patent 8,857,130 B1*

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## ARDEX MC™ PLUS Two-Coat Moisture Control System for Concrete to Receive ARDEX Underlayments

### Key Features

No sand broadcast required for underlayment applications of 1/4" (6 mm) or less  
For RH readings up to 100%  
Solvent free  
Alkali resistant  
Tenacious bond to substrate  
100% solids epoxy resin system consisting of ARDEX primer and sealer

### Installation

Packaging: Two 13.2 lb (6 kg) units  
Coverage on CSP 3  
Prepared Concrete: Primer - Max. 250 sq. ft. (23.2 m²) per mixed unit  
Sealer - Max. 250 sq. ft. (23.2 m²) per mixed unit  
Install ARDEX  
MC PLUS sealer: Min. 8 hours; Max. 24 hours  
Prime and install underlayment: Min. 8 hours after ARDEX MC PLUS sealer is installed; Max. 24 hours  
Working Time: 20 minutes  
Pot Life: 20 minutes  
Walkable: 8 hours

### Performance

ASOTM E96 perm rating:  
2 coats, each at 8 mils - 0.12 perms  
2 coats, 1st at 8 mils and 2nd at 10 mils with sand - 0.1 perms

**ARDEX MC™ Moisture Control Systems are warranted up to 20 years when installed by a qualified ARDEX LevelMaster Elite Installer®. Call your ARDEX Sales Professional for details. 888-512-7339.**

# ARDEX MC™ Moisture Control Systems

## ARDEX MC™ ULTRA Two-coat Moisture Control System for Concrete to Receive ARDEX Toppings and Underlayments

### Key Features

For RH readings up to 100%

Solvent free

Alkali resistant

Tenacious bond to substrate

100% solids epoxy resin system consisting of ARDEX primer and sealer with double sand broadcast

### Installation

Packaging: Two 10 lb (4 kg) units

Coverage on CSP 3

Prepared Concrete: Primer - Max. 170 sq. ft. (15.8 m<sup>2</sup>) per mixed unit  
Sealer - Max. 100 sq. ft. (9.3 m<sup>2</sup>) per mixed unit

Working Time: 30 minutes

Pot Life: 30 minutes

Walkable: 6 hours after sand broadcast

Install ARDEX

MC ULTRA sealer: Min. 6 hours after sand broadcast; no max.

Install underlayment or topping: Min. 16 hours after ARDEX MC ULTRA sealer is installed

### Performance

ASTM E96 perm rating: 0.02 perms

## ARDEX MRP™ Moisture Resistant Patch for Concrete to Receive ARDEX Moisture Control Systems

### Key Features

Portland cement and select high-performance polymers

Completely moisture resistant

Mixes with water only

Easy to apply and hardens quickly

Suitable for commercial and residential applications

### Installation

Packaging: 20 lb (9 kg)

Coverage: 35 sq. ft. per bag at 1/8" (3.2 m<sup>2</sup> at 3 mm)

Pot life: 20 minutes

Walkable: 3 to 4 hours

Install ARDEX

MC™ Moisture

Control Systems: 16 hours

### Performance

VOC: 0

## Related products

Engineered Concrete Repair Systems

ARDEX K 301™ Exterior Self-Leveling Concrete Topping

Self-Leveling Underlayments

ARDEX K 60™ ARDITEX Rapid Setting Latex Smoothing and Leveling Compound

Concrete Crack & Joint Treatments

ARDEX ARDIFIX™ Low Viscosity Rigid Polyurethane Crack & Joint Repair

ARDEX ARDISEAL™ RAPID PLUS Semi-Rigid Joint Sealant

**Install ARDEX MC™ RAPID in the morning. Install ARDEX K 60™ the same afternoon. Call your ARDEX Sales Professional to find out how at 888-512-7339.**

Always check the current Technical Data Sheet for each product at [www.ardexamericas.com](http://www.ardexamericas.com)

# ARDEX Designer Floors™

## ARDEX SD-T® Self-Drying, Self-Leveling Concrete Topping

Install over: concrete and non-absorbent substrates such as terrazzo, ceramic and stone tiles\*

### Key Features

- Self-Drying Technology
- Pourable and pumpable
- Interior
- Portland cement
- Mixes with water only
- Available in gray or white

### Installation

General priming

recommendations: \*ARDEX Designer Floors™ - ARDEX EP 2000™  
Non-designer installations use ARDEX P 51™ Primer  
See the Technical Brochure for details

Packaging: 50 lb (22.7 kg)  
Coverage: 25 sq. ft. per bag at 1/4" (2.3 m² at 6 mm)  
Thickness: Neat: 1/4" to 2" (6 mm to 5 cm)  
Aggregate: Up to 5" (12 cm)  
Flow time: 10 minutes  
Walkable: 2 to 3 hours

Seal: Waterborne sealer - when hard- as little as 2 hours  
Solvent-borne and high solids (less than 20 mils / 0.5 mm) - 24 hours  
High build polymer coating (greater than 20 mils / 0.5 mm) - 3 to 5 days

### Performance

ASTM C191 Initial Set: Approx. 10 minutes  
ASTM C191 Final Set: Approx. 45 minutes  
ASTM C109 Compressive Strength mod (air cure only): 6100 psi at 28 days (427 kg/cm²)  
ASTM C348 Flexural Strength: 1200 psi at 28 days (84 kg/cm²)  
VOC: 0

## ARDEX SD-M™ Designer Floor Finish™

Install over: concrete, terrazzo and existing tile, as well as ARDEX underlayments and toppings

### Key Features

- Portland cement-based
- Interior
- Mold and mildew resistant
- Trowelable
- Mixes with water only
- Available in gray and white

### Installation

General priming

recommendations: Concrete and Engineered Cements® - no primer is required  
Use ARDEX P 51™ Primer over porous surfaces to minimize pinholes. ARDEX P 51™ Primer can increase the working time for ARDEX SD-M  
Approved non-porous substrates -  
ARDEX P 82™ Ultra Prime

Packaging: 10 lb (4.5 kg)  
Coverage: 80 to 100 sq. ft. per bag at 2 coats  
Small batch ratio: See the Technical Brochure for details  
Minimum thickness: 20 mils (0.020" / 0.5 mm)  
Walkable: 2 hours  
Seal: Waterborne, <20 mils (0.020" / 0.5 mm) - 2 hours  
100% solids or solvent-based, <20 mils (0.020" / 0.5 mm) - 24 hours  
High build polymer coating, >20 mils (0.020" / 0.5 mm) - 3 to 5 days

### Performance

ASTM C191 Initial Set: Approx. 45 minutes  
ASTM C191 Final Set: Approx. 90 minutes  
ASTM 109 mod Air cure only Compressive Strength: 5000 psi (352 kg/cm²) at 28 days  
ASTM C348 Flexural Strength: 1200 psi (84 kg/cm²) at 28 days

## Related products

### Crack & Joint Treatments

ARDEX ARDIFIX™ Low Viscosity Rigid Polyurethane Crack & Joint Repair  
ARDEX ARDISEAL™ RAPID PLUS Semi-Rigid Joint Sealant

### Primer

ARDEX EP 2000™ Substrate Preparation Epoxy Primer  
ARDEX P 51™ Primer

### Sealer:

ARDEX CG Concrete Guard™ High-performance, high solids, water-borne acrylic concrete sealer

# ARDEX Polished Concrete Systems™

## ARDEX PC-T™ Polished Concrete Topping

Self-leveling topping base for floors that will receive a polished concrete surface. Designed for use with ARDEX Polished Concrete Systems. Use with ARDEX PC Color-DYE™ for decorative finishes.

Install over: the surface of existing concrete to produce a new wear layer

### Key Features

- Self-drying
- Portland cement-based
- Interior
- Mixes with water only
- Pourable and pumpable
- Available in light gray, gray, and white

### Installation

General priming

recommendations: EP 2000™ Substrate Preparation Epoxy Primer with sand broadcast; See the technical brochure

- Packaging: 50 lb (23 kg)
- Coverage: 16.7 sq. ft. per bag at 3/8" (1.6 m<sup>2</sup> at 9.5 mm)
- Thickness: Neat - 3/8" to 2" (9 mm to 5 cm)  
Aggregate - up to 5" (13 cm)
- Flow time: 10 minutes
- Walkable: 2 to 3 hours
- Polish: 24 to 72 hours

### Performance

- ASTM C191 Initial Set: Approx. 10 minutes
- ASTM C191 Final Set: Approx. 45 minutes
- ASTM 109 mod (air cure only) Compressive Strength: 6100 psi (427 kg/cm<sup>2</sup>) at 28 days
- ASTM C348 Flexural Strength: 1200 psi (84 kg/cm<sup>2</sup>) at 28 days
- VOC: 0

## ARDEX PC-M™ Polished Concrete Micro-Topping

Trowelable topping for fast-track polishing, finishing or resurfacing of interior concrete and certain non-porous surfaces. Can be used as pinhole filler for ARDEX PC-T™ Polished Concrete Topping.

Install over: concrete, terrazzo and existing tile, as well as ARDEX Engineered Cements

### Key Features

- Self-drying
- Portland cement-based
- Mixes with water only
- Interior
- Available in gray and white

### Installation

Priming

recommendations: No primer is required in most applications  
For highly porous or absorbent concrete, ARDEX P 51™ Primer diluted with three parts water.  
ARDEX P 51 also contributes to increased working time for ARDEX PC-M  
Where aesthetics are critical, use ARDEX EP 2000™ Substrate Preparation Epoxy Primer

- Packaging: 10 lb (4.5 kg)
- Coverage: 80 to 100 sq. ft. per bag at 2 coats
- Minimum thickness: 20 mils (0.020")
- Walkable: 2 hours
- Polish: 24 to 72 hours

### Performance

- ASTM C191 Initial Set: Approx. 45 minutes
- ASTM C191 Final Set: Approx. 90 minutes
- ASTM 109 mod (air cure) only Compressive Strength: 5000 psi (352 kg/cm<sup>2</sup>) at 28 days
- ASTM C348 Flexural Strength: 1200 psi (84 kg/cm<sup>2</sup>) at 28 days
- VOC: 0

# Finished Surfaces Treatments

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## **ARDEX PC 10™ Lithium Hardener for PC-T™ Polished Concrete Topping**

### **Key Features**

Advanced chemistry  
High reflectivity  
Interior

### **Installation**

*Packaging:* Five gal (18.9 L)  
*Coverage:* 400-500 sq. ft. per gal (12-15 m<sup>2</sup>/L)  
*Install with:* Pump, spray or HVLP

### **Performance**

VOC: <50 g/L

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## **ARDEX PC FINISH™ Stain & Wear Protection - High Gloss**

Use on concrete micro toppings and to restore existing concrete surfaces.

### **Key Features**

Micro-impregnating polymer  
Interior  
High and low gloss

### **Installation**

*Packaging:* 5 gal (18.9 L)  
*Coverage:* Up to 2,500 sq. ft. per gal (232 m<sup>2</sup>)  
*Install:* Micro-fiber pad and applicator  
Burnish with diamond impregnated pads  
Clean up with soap and water

### **Performance**

Abrasion and stain resistant  
Excellent wear properties  
VOC: < 50 g/L

## **ARDEX PC COLOR-DYE™ Waterborne Dye for ARDEX PC-T™ Polished Concrete Topping**

Designed for use in the ARDEX Polished Concrete Systems™ (APCS). Provides a unique coloring effect, ready for sealing. Deeply penetrates the surface of ARDEX PC-T providing a unique and colorful alternative to the finishes typically found with standard polished concrete. Low VOC. Interior applications only. Jobsite product samples are recommended. Gold, Light Brown, Tan, Brown, Nutmeg, Red Brown, Black.

*For use with ARDEX PC-T™ White Only*

# ARDEX Finished Surfaces

## ARDEX K 500™ Self-Leveling Concrete Topping

Install over: concrete and certain non-porous surfaces

### Key Features

- Portland other hydraulic cements
- Use for a polished surface
- Pourable and pumpable
- Mixes with water only
- Interior

### Installation

General priming

recommendations: *Standard absorbent concrete - ARDEX P 51™ Primer*  
*Extremely absorbent concrete may require two applications*  
*Polished applications - ARDEX EP 2000™ Substrate Preparation Epoxy Primer*

Packaging: 55 lb (25 kg) bag

Coverage: 27.5 sq. ft. per bag at 1/4" (2.6 m² at 6 mm)

Thickness: *Neat - 1/4" to 1 1/2" (6 mm to 3.8 cm)*  
*Aggregate - Up to 5" (13 cm)*  
Install at a minimum thickness of 3/8" (9.5 mm) for a polished topping

Flow time: 10 minutes

Walkable: 2 to 3 hours

Seal: in as little as 24 hours

Polish: 48 hours

### Performance

ASTM C191 Initial Set: Approx. 30 minutes

ASTM C191 Final Set: Approx. 90 minutes

ASTM C109 Compressive Strength mod (air cure only): 5300 psi (371 kg/cm²) at 28 days

ASTM C348 Flexural Strength: 1000 psi (70 kg/cm²) at 28 days

VOC: 0

## Related products

### Crack and Joint Repair

ARDEX ARDIFIX™ Low Viscosity Rigid Polyurethane Crack & Joint Repair

ARDEX ARDISEAL™ RAPID PLUS Semi-Rigid Joint Sealant

### Primer

ARDEX EP 2000™ Substrate Preparation Epoxy Primer

### Engineered Concrete Repair Systems

ARDEX CP™ Concrete Patch

ARDEX CD™ Concrete Dressing

ARDEX CD FINE™ Concrete Dressing

ARDEX K 301™ Exterior Self-Leveling Concrete Topping

# Concrete Resurfacing

## ARDEX K 301™ Exterior Self-Leveling Concrete Topping

### Key Features

- Topping and underlayment
- Pourable and pumpable
- Mixes with water only
- Suitable for use in wet areas
- On, above or below grade
- Suitable for use under the ARDEX MC™ Moisture Control Systems

### Installation

General priming

recommendations: EP 2000™ with sand broadcast

Packaging: 50 lb (22.7 kg)

Coverage: 23 sq. ft. per bag at 1/4" (2.1 m<sup>2</sup> at 6 mm)

Thickness: Neat: 1/4" to 3/4" (6 mm to 19.6 mm)

Aggregate: up to 2" (5 cm)

Flow time: 10 minutes

Walkable: 2 to 3 hours

Waterborne sealer: 24 hours

### Performance

ASTM C109 Compressive Strength mod (air cure only): 4,300 psi (301 kg/cm<sup>2</sup>) at 28 days

ASTM C348 Flexural Strength: 1,000 psi (70 kg/cm<sup>2</sup>) at 28 days

VOC: 0

## ARDEX CD™ Concrete Dressing

### Key Features

Mixes with water only, Easy to apply

Installs 1/16" up to 1/8" (1.5 to 3 mm)

ARDEX CD can be mixed to apply at a thickness of up to 1/2" (12 mm) for minor patching

Use for interior and exterior floors and walls

Suitable for foot and rubber tire traffic on commercial and residential applications

Available in gray or white, coarse or fine finish

### Installation

Packaging: 40 lb bag (18 kg)

Coverage: up to 120 sq. ft. per bag at 1/16" (11.1 m<sup>2</sup> at 1.6 mm)

Apply by trowel, squeegee or hopper gun

Add broom texture for a reduced-slip surface

Pot life: 30 minutes

Walkable: 2 hours

Coat or seal: 2 hours

### Performance

ASTM C109 Compressive Strength mod (air cure only): 4,000 psi (280 kg/cm<sup>2</sup>) at 28 days

VOC: 0

## ARDEX CD FINE™ Concrete Dressing

### Key Features

- Portland cement-based
- Interior or exterior
- For floors and walls
- Special mix ratio for minor patching
- Available in gray and white Accepts color for decorative finishes

### Installation

General priming

recommendations: No priming required

Use ARDEX CG™ Concrete Guard 1:1 with water over porous surfaces to minimize pinholes

Using ARDEX CG™ Concrete Guard 1:1 with water can increase the working time for ARDEX CD FINE™

Packaging: 10 lb bag (9 kg)

Coverage: up to 100 sq. ft. per bag at 1/32" (9.3 m<sup>2</sup> at 0.8 mm)

Apply by trowel, squeegee or hopper gun

Add broom texture for a reduced-slip surface

Pot life: 30 minutes

Working time: approx. 10 to 15 minutes

Walkable: 2 hours

Install waterborne coating: approx. 2 hours

### Performance

ASTM C109 Compressive Strength mod (air cure only): 4,000 psi (280 kg/cm<sup>2</sup>) at 28 days

VOC: 0



# Patching & Repair / Priming & Bonding

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## ARDEX CP™ Concrete Patch

### Key Features

Mixes with water only  
Freeze-thaw resistant  
Suitable for foot and rubber tire traffic  
Easy to apply and hardens quickly  
Horizontal and vertical application

### Installation

*Packaging:* 40 lb (18 kg)  
*Coverage:* 22.5 sq. ft. at 1/4" (21.1 m<sup>2</sup> at 6 mm) per bag  
Neat - 1/4" to 1/2" (6 to 12 mm)  
Aggregate - up to 2" (5 cm)  
*Working Time:* 30 minutes  
*Pot Life:* 30 minutes  
*Walkable:* 2 hours  
*Apply:* ARDEX CD™ in 4 hours  
ARDEX CG™ in 24 hours

### Performance

ASTM C109 Compressive Strength mod (air cure only): 3,600 psi  
(253 kg/cm<sup>2</sup>) at 28 days

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## ARDEX BACA™ Bonding & Anti-Corrosion Agent

### Key Features

Can be applied above, on or below grade  
Bonding agent – one 20 mil (500 micron) coat  
Anti-corrosion agent - two 10 mil (250 micron) coats  
For interior or exterior concrete  
Clean up with water only  
Horizontal or vertical concrete repairs and shotcrete installations  
Allows concrete to breathe

### Installation

*Packaging:* Part A - 1 gal (3.78 L) liquid  
Part B - 28 lbs. (12.7 kg) powder  
*Coverage:* 175 to 200 sq. ft. (16 to 18 m<sup>2</sup>) per unit  
*Pot Life:* 90 minutes  
*Open Time:* Up to 24 hours

### Performance

ASTM C882 Bond Strength (psi): 2 hours 1,800 (126 kg/cm<sup>2</sup>);  
24 hours 2,100 (147 kg/cm<sup>2</sup>)  
ASTM C78 Flexural Strength (psi): 28 days 2,000 (140 kg/cm<sup>2</sup>)  
Low VOCs, non-flammable

**Use ARDEX BACA™ as a bonding slurry on properly prepared concrete patches or apply it directly to reinforcing steel in concrete to protect against corrosion and rust once embedded.**

# Structural Repair Mortars

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## ARDEX ERM™ Exterior Ramp Mortar

### Key Features

Trowel Grade: Holds shape for ramping and balconies  
Mixes with water only  
Easy to apply  
Use for exterior and interior concrete repair  
Suitable for commercial, institutional and multi-unit residential applications

### Installation

Packaging: 55 lb bag  
Coverage: 22 sq. ft at 1/4" (2 m<sup>2</sup> at 6 mm)  
Thickness: Neat - 1/4" to 2" (6 mm to 5 cm)  
Aggregate - up to 8" (20 cm) when extended  
Pot life: 25 to 45 minutes  
Coat or seal: 3 to 7 days

### Performance

ASTM C109 Compressive Strength mod (air cure only):  
7,000 psi at 7 days (490 kg/cm<sup>2</sup>)  
8,200 psi at 28 days (574 kg/cm<sup>2</sup>)  
ASTM C293 Flexural Strength:  
1,200 psi at 7 days (84 kg/cm<sup>2</sup>)  
1,500 psi at 28 days (105 kg/cm<sup>2</sup>)

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## ARDEX FDX™ Full Depth Extended Repair Mortar Concrete Repair Mortar with Corrosion Inhibitor

### Key Features

Pre-measured aggregate increases productivity  
Mix with water only  
Easy to apply  
Formable, pourable and pumpable  
Use for exterior and interior concrete repair  
Suitable for overlays and full depth repairs

### Installation

Packaging: 80 lb bag  
Coverage: 5 sq. ft. (0.46 m<sup>2</sup>) at 1 1/2" (38 mm)  
Installs from 1 1/2" (38 mm) to 8" (20 cm)  
Pot Life: 20 to 40 minutes  
Coat or Seal: After 72 hours

### Performance

ASTM C39 Compressive Strength (psi):  
1 day 3,200 (224 kg/cm<sup>2</sup>)  
7 days 4,800 (336 kg/cm<sup>2</sup>)  
28 days 6,000 (420 kg/cm<sup>2</sup>)  
ASTM C293 Flexural Strength (psi):  
7 days 700 (49 kg/cm<sup>2</sup>)  
28 days 750 (53 kg/cm<sup>2</sup>)

**In addition to sidewalks, plazas, walkways, driveways, parking garages and balconies, ECRS products have been trusted to repair airport runways.**

# Structural Repair Mortars

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## ARDEX FDM™ Full Depth Concrete Repair Mortar with Corrosion Inhibitor

### Key Features

Mix with water only  
Easy to apply – formable, pourable and pumpable  
For exterior and interior concrete  
Suitable for overlays and full depth repairs  
Freeze-thaw resistant

### Installation

*Packaging:* 50 lb bag  
*Coverage:* 9.6 sq. ft. (0.890 m<sup>2</sup>) at 1/2" (12.7 mm)  
Installs from 1/2" to 4" (6 mm to 10 cm) neat, and up to 8" (20 cm) when extended with aggregate  
*Pot Life:* 20 to 40 minutes  
*Coat or seal:* 72 hours

### Performance

*ASTM C109 Compressive Strength mod (air cure only) (psi):*  
1 day 3,500 (245 kg/cm<sup>2</sup>)  
7 days 5,500 (385 kg/cm<sup>2</sup>)  
28 days 7,000 (490 kg/cm<sup>2</sup>)  
*ASTM C293 Flexural Strength (psi):*  
1 day 1,100 (77 kg/cm<sup>2</sup>)  
28 days 1,150 (81 kg/cm<sup>2</sup>)

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## ARDEX TRM™ Transportation Repair Mortar Fast-Setting Horizontal Concrete Repair Mortar

### Key Features

Microsilica improves durability  
Formable, pourable and pumpable  
Mixes with water only  
Easy to apply  
Use for exterior and interior concrete repair  
Suitable for overlays and full depth repairs

### Installation

*Packaging:* 50 lb bag  
*Coverage:* 9.60 sq. ft. (0.890 m<sup>2</sup>) at 1/2" (12.7 mm)  
Installs from 1/2" to 4" (12 mm to 10 cm) neat, and up to 8" (20 cm) when extended with aggregate  
*Pot Life:* 10 to 20 minutes  
*Walkable:* 2 hours  
*Rubber tire traffic:* 6 hours  
*Coat or seal:* 6 hours

### Performance

*ASTM C109 Compressive Strength mod (air cure only) (psi):*  
3 hours 4,500 (315 kg/cm<sup>2</sup>)  
1 day 5,750 (403 kg/cm<sup>2</sup>)  
7 days 7,500 (252 kg/cm<sup>2</sup>)  
28 days 11,500 (805 kg/cm<sup>2</sup>)  
*ASTM C78 Flexural Strength (psi):*  
7 days 850 (60 kg/cm<sup>2</sup>)  
28 days 1,100 (77 kg/cm<sup>2</sup>)

**ARDEX TRM™ is approved by many State Departments of Transportation in the U.S. for highway repair.**

# Structural Repair Mortars / Patching & Repair

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## ARDEX FP™ Form & Pour Concrete Repair Mortar

### Key Features

Mix with water only

Easy to apply – formable, pourable and pumpable

For exterior and interior concrete

Suitable for commercial, institutional and multi-unit residential applications

### Installation

Packaging: 50 lb bag

Coverage: 9.6 sq. ft. (0.890 m<sup>2</sup>) at 1/2" (12.7 mm)  
Installs from 1/2" to 4" (12 mm to 10 cm) neat, and up to 8" (20 cm) when extended with aggregate

Pot Life: 20 to 40 minutes

Coat or seal: 72 hours

### Performance

ASTM C109 Compressive Strength mod (air cure only) (psi):

1 day 2,200 (154 kg/cm<sup>2</sup>)

28 days 5,500 (385 kg/cm<sup>2</sup>)

ASTM C293 Flexural Strength (psi):

7 days 900 (63 kg/cm<sup>2</sup>)

28 days 1,050 (74 kg/cm<sup>2</sup>)

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## ARDEX B 20™ Overhead & Vertical Repair Mortar with Corrosion Inhibitor

### Key Features

Glass microspheres add body, reduce weight

Mixes with water only

Easy to apply - non-sag and can be sculpted

Use for exterior or interior repairs; vertical or overhead concrete repair

Suitable for commercial, institutional and multi-unit residential applications

### Installation

Packaging: 55 lb bag

Coverage: 20 sq. ft. (1.86 m<sup>2</sup>) at 1/4" (6 mm)  
Installs from 1/4" to 2" (6 mm to 5 cm) in one lift, up to a total of 8" (20 cm) in multiple lifts

Pot Life: 15 to 30 minutes

Coat or seal: 3 to 7 days

### Performance

ASTM C109 Compressive Strength mod (air cure only) (psi):

1 day 3,000 (210 kg/cm<sup>2</sup>)

7 days 5,000 (350 kg/cm<sup>2</sup>)

28 days 6,300 (441 kg/cm<sup>2</sup>)

ASTM C293 Flexural Strength (psi):

7 days 1,100 (77 kg/cm<sup>2</sup>)

28 days 500 (35 kg/cm<sup>2</sup>)

**ARDEX ECRS products are installed at airports, hotels, office buildings, parking garages, ballparks, stadiums and universities throughout Canada, the United States and Mexico.**

# Vertical/Overhead

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## ARDEX TWP™ Tilt Wall Patch and Finishing Compound for Vertical Concrete Walls

Use for tilt-up walls, pre-cast or poured in place concrete panels, and other concrete or masonry surfaces; fill surface spalls, gouges, cracks, dents, chips, bug holes or honeycombs – any type, size or shape of surface defect.

### Key Features

Portland cement - based  
Trowelable  
Mixes with water only  
Interior and exterior

### Installation

*Packaging:* 10 lb (4.5 kg) bag  
*Coverage:* 100 to 150 sq. ft. per bag at a skimcoat (9 to 14 m<sup>2</sup>)  
*Thickness:* True featheredge  
Thicker applications take longer to harden  
*Pot life:* 15 to 20 minutes  
*Seal or paint:* 15 to 60 minutes

### Performance

VOC: 0

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## ARDEX OVP™ Finishing Compound for Overhead and Vertical Concrete Walls

### Key Features

Mixes with water only  
Portland cement-based  
Interior and exterior  
Overhead and vertical  
Self-Drying  
Sandable  
Does not shrink

### Installation

*Packaging:* 20 lb bag (9 kg)  
*Coverage over*  
*smooth surface:* 133 sq. ft. (12.35 m<sup>2</sup>) at 1/16" (1.5 mm)  
66.6 sq. ft. (6.18 m<sup>2</sup>) at 1/8" (3 mm)  
33.3 sq. ft. (3.09 m<sup>2</sup>) at 1/4" (6 mm)  
300 sq. ft. (27.87 m<sup>2</sup>) at a skim coat  
*Pot life:* 90 minutes  
*Working time:* 30 minutes  
*Seal or paint:* 2 to 3 hours

### Performance

VOC: 0

**Some ARDEX Engineered Concrete Repairs Systems products are capable of demanding structural repair, yet also can be used for interior applications.**

# Waterproofing

## ARDEX ARDICOAT™ PLUS Two-Component Cement-based Acrylic Waterproofing Compound

### Key Features

- Highly flexible to bridge hairline cracks
- Breathable membrane
- Horizontal or vertical surfaces
- Above, on and below grade
- Interior and exterior
- Trowel or spray

### Installation

- Packaging: Part A - 2.3 gal (8.9 L) liquid  
Part B - 25 lbs. (11.3 kg) powder
- Coverage: 88 to 100 sq. ft. at 1/16" (8.2 to 9.3 m² at 1.5 mm)
- Pot Life: 30 to 90 minutes
- Walkable: 24 hours
- Seal: 24 hours

### Performance

- ASTM D4541 Adhesion to Concrete (psi):
  - 7 days 150 (11 kg/cm²)
  - 28 days 177 (12 kg/cm²)
- ASTM D 412 Tensile Strength (psi):
  - w/o mesh 0.470
  - w/mesh 3800
- ASTM D 412 Elongation at Break (%):
  - w/o mesh 11
  - w/mesh 9
- ASTM D522 Flexibility Mandrel Bend:
  - 28 days passes 1/8" at 77°F
- ASTM D4060 Taber CS-10 wheel Abrasion Resistance (grams of weight loss):
  - 3000 cycles 0.20
  - 6000 cycles 0.34
- ASTM D570 Water Absorption (%):
  - 24 hours immersion 4.5
- Waterproofing (hydrostatic pressure in psi): 101.5
- ASTM E 96 (wet cup method) Water vapor permeability: 3.9 (perms)
- Chloride Ion Penetration (% Reduction) Modified NCHRP: 89.9
- ASTM C1202 Permeability (Coulombs) Rapid Chloride 550 (very low)
- VOC: 100 g/L

**ARDEX ARDICOAT™ MESH** woven glass fiber mesh increases the tensile strength of ARDEX ARDICOAT PLUS to minimize telegraphing of dormant cracks and reinforce transitions. Available in 150' x 36" rolls (45.72 m x 0.91 m).

**ARDEX ARDICOAT™ PLUS reduces chloride penetration by 90%.**

# Sealer

## ARDEX CG Concrete Guard™ High-performance, high solids, water-borne acrylic concrete sealer

Seals and protects all uncoated, absorbent concrete and masonry surfaces, including ARDEX Toppings.

*Please refer to the individual product brochures.*

### Key Features

Interior and exterior

Nonflammable and UV stable

### Installation

*Packaging:* 1 gal / 3.79 L Container

*Coverage:* Gray over broom finish -  
150 to 200 sq. ft. (14 to 19 m<sup>2</sup>) per gal  
Gray over smooth finish -  
200 to 400 sq. ft. (19 to 37 m<sup>2</sup>) per gal  
Clear over broom finish -  
200 to 300 sq. ft. (19 to 28 m<sup>2</sup>) per gal  
Clear over smooth finish -  
400 to 600 sq. ft. (37 to 56 m<sup>2</sup>) per gal

*Apply with:* 3/8" (9.5 mm) nap roller

*Drying time:* (minimum at 70°F/21°C) to touch - 1 hour

*Apply*

*second coat:* 2 to 4 hours

*Walkable:* 24 hours

### Performance

*Solids content:* 40%

Exceeds ADA requirements

USDA/FDA FSIS Directive 1000.4, Revision 1 Approved

VOC: Max. 249 g/L (14,968 kg)

## Related Products

### Crack and Joint Repair

ARDEX ARDIFIX™ Low Viscosity Rigid Polyurethane Crack & Joint Repair

### Primers

ARDEX EP 2000™ Substrate Preparation Epoxy Primer

ARDEX P 71™ Primer

**ARDEX CG Concrete Guard™ is part of the ARDEX Concrete Resurfacing System which includes ARDEX CP™ Concrete Patch and ARDEX CD™ or CD FINE™ Concrete Dressing.**



# ARDEX Academy Locations

At ARDEX Academy, more than 7,000 professionals train annually at eight ARDEX Academy locations in North America, earning product knowledge, hands-on product experience and the latest installation techniques.

## California

ARDEX Americas  
2612 Station Drive  
Stockton, CA 95215

## Georgia

The W.W. Henry Company  
350 Thomas B. Murphy Drive  
Dallas, GA 30132

## Illinois

The W.W. Henry Company  
150 Mooney Drive  
Bourbonnais, IL 60914

## Mississauga

ARDEX Canada, Inc.  
2410 Lucknow Drive, Unit 25  
Mississauga, Ontario L5S 1V1

## Pennsylvania

ARDEX Americas  
400 Ardex Park Drive  
Aliquippa, PA 15001

## Portland

Pacific Northwest Training Center  
5230 N Basin Avenue  
Portland, OR 97217

## Texas

ARDEX Americas  
201 Airport Drive  
Mansfield, TX 46063

## Vancouver

ARDEX Canada, Inc.  
#7 – 1600 Derwent Way  
Delta, BC V3M 6M5

For more information about ARDEX Academy visit:  
[www.ardexamericas.com](http://www.ardexamericas.com).

**ARDEXacademy**  
TRAINING EXCELLENCE

# SUPERIOR SERVICE IN EVERY BAG

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The people of ARDEX Americas are proud to provide quality products combined with legendary customer service. The most knowledgeable professional sales team in the industry provides valuable on-site product know-how, product demonstrations, jobsite start-up and an Immediate Response Guarantee to be on the jobsite within 24 hours\*.

*\*In limited cases, geographical restrictions may require an extra day.*

The ARDEX Technical Service Department provides jobsite support, technical recommendations, start-up assistance and a 24-hour jobsite response time\*.

The National Programs Specification Team is a single source point of contact for written specifications, document assistance, product selection and technical support in the retail, healthcare, education and government and military segments.

*\*In limited cases, geographical restrictions may require an extra day.*

# COMMITTED TO EXCELLENCE

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*Ann & Robert H. Lurie  
Children's Hospital of Chicago - Chicago, IL  
Mr. David's Flooring International, Ltd. - Itasca, IL*

## THE ULTIMATE WARRANTY | Ultimate Peace of Mind

Flooring installations are ranked by architects and contractors as one of the most challenging aspects of any building project. The SystemOne™ Total Solution provides the ultimate peace of mind by ensuring consistently successful flooring installations through high-performance ARDEX and HENRY® product systems. ARDEX Americas is so confident in its products that SystemOne offers the most comprehensive installation system warranty available in the industry. Qualified installations receive **FULL REPLACEMENT** warranties.

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