ARDEX AMERICAS | Wear Surface Toppings

ARDEX Polished Concrete Systems™
ARDEX Designer Floors™
Concrete Resurfacing
ARDEX MC™ Moisture Control Systems
ARDEX Americas, one of the largest ARDEX corporate units, encompasses the U.S., Canada, Mexico, Central and South America, and the Caribbean Basin.

ARDEX Engineered Cements introduced ARDEX K 15® Premium Self-Leveling Underlayment to the United States in 1978. The original self-leveling underlayment remains the most specified underlayment today. This same industry-leading spirit of innovation continues as ARDEX Americas raises the bar for industry standards in research, development, technical support and architectural services.

The original self-leveling underlayment remains the most specified underlayment today.

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)

US Patent 8,857,130 B1

- 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.
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*.

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.

The National Programs 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.
Concrete wear surfaces for commercial and residential finished flooring are growing in popularity because they are often less expensive to install, maintain and provide environmental benefits. All interior toppings are Portland cement-based, mix with water only and many are made with Self-Drying Technology.

ARDEX PC COLOR-DYE™
Waterborne dye for ARDEX PC-T™ Polished Concrete Topping.
- Concentrate
- Low VOC
- Available in 8 colors

Made with ARDEX PC-T™ White

ARDEX Polished Concrete Systems™
The industry’s first full specification for a polished concrete topping identifies concrete preparation, crack and joint treatments and concrete treatment materials.

ARDEX PC-T™
Polished Concrete Topping
- Available in white, light gray, and gray.
- Use to provide a hard, flat, smooth surface that can be polished.
  - 3/8” to 2” (9 mm to 5 cm)
  - Up to 5” (13 cm) with aggregate
  - Walk on in 2 to 3 hours
  - Polish in 24 to 72 hours

ARDEX PC-M™
Polished Concrete Micro-Topping
- Available in white and gray. Create a hard, flat, smooth surface that can be polished. Use as a pinhole filler for ARDEX PC-T™ Polished Concrete Topping.
  - Install: minimum 508 microns
  - Maximum 1/16” (1.5 mm)
  - Polish in 24 to 72 hours

ARDEX PC 10™
Lithium Hardener
- For use in the grinding and polishing of ARDEX Polished Concrete Systems.
  - Advanced chemistry
  - High reflectivity
  - Interior use

ARDEX PC FINISH™
High Gloss Stain and Wear Protection
- High and low gloss
- Use on interior polished concrete surfaces
- Clean up with soap and water

ARDEX PC-M™
Five Palms Lodge Marine Corp Base, Hawaii
Installer: Tyson’s Inc.
ARDEX Designer Floors™

From a basic gray or white to the most intricate, one-of-a-kind design, decorative floors offer color and design options to match the floor surface to decorative shades and tones.

ARDEX SD-T®
Self-Drying, Self-Leveling Concrete Topping
Available in white and gray. Pumpable or pourable.
• 1/4” up to 2” (6 mm to 5 cm)
• Up to 5” (12 cm) with aggregate
• Walk on in 2 hours
• Seal in as little as 2 hours

ARDEX SD-M™
Designer Floor Finish
Available in white and gray. Microtop with no primer required for most applications.
• Install: minimum 508 microns
• Maximum 1/16” (1.5 mm)
• Walk on in 2 hours
• Seal in as little as 2 hours

General Self-Leveling Topping
Self-leveling Portland cement-based topping for fast-track resurfacing and smoothing of interior applications to create a concrete wear surface for commercial, light industrial and residential applications.

ARDEX K 500™
Self-Leveling Concrete Topping
Install at a minimum thickness of 3/8” (9.5 mm) for a polished finish.
• 1/4” up to 1 1/2” (6 mm to 3.8 cm)
• Up to 5” (12 cm) with aggregate
• Walk on in 2 to 3 hours
• Seal in as little as 24 hours
• Polish in as little as 48 hours

Renaissance ClubSport - Aliso Viejo, CA
Installer: Richard Smith Custom Concrete
Assisted by ARDEX LevelMaster Elite Installer®
Wallock & Maggio, Inc. - Thousand Oaks, CA
### ARDEX K 301®
**Exterior Self-Leveling Concrete Topping**
Can be sealed to create a concrete wear surface. Suitable for wet areas and under ARDEX M™ Moisture Control Systems. Topping and underlayment.
- 1/4" to 3/4" (6 mm to 19 mm) neat
- Up to 2" (5 cm) with aggregate
- Walk on in 2 to 3 hours
- Seal in as little as 24 hours

### ARDEX CD™
**Concrete Dressing**
Blend of Portland and other hydraulic cements modified with high-performance polymers. Apply with trowel, squeegee or hopper gun. Broom texture for a reduced-slip surface. Floors and walls.
- 1/16" to 1/8" (1.5 mm to 3 mm)
- Up to 1/2" (12 mm) in small, well-defined areas
- Walk on or seal in 2 hours

### ARDEX CD FINE™
**Concrete Dressing**
Available in white and gray. Blend of Portland and other hydraulic cements modified with high-performance polymers. Apply with trowel, squeegee or hopper gun. Broom texture for a reduced-slip surface. Floors and walls.
- 1/32" to 1/8" (0.73 mm to 3 mm)
- Up to 1/2" (12 mm) in small, well-defined areas
- Walk on or seal in 2 hours

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For comprehensive and current product information, review the product technical data sheet at www.ardexamericas.com.

Also consider ARDEX PANDOMO® for concrete surface designs that open up architectural and design possibilities. Go to www.ardex-pandomo.com, www.ardexamericas.com or contact your local ARDEX Professional.
ARDEX Industry-Best Warranties

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ARDEX MC™ Moisture Control Systems

Suppress excessive moisture vapor emissions in new or existing concrete prior to installing an ARDEX underlayment with flooring or an ARDEX topping.

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

- ASTM E96 perm rating: 0.06 perms
- No sand broadcast required for underlayment applications of 1/4" (6 mm) or less
- Working time: 20 minutes
- Pot life: 20 minutes
- Prime and install underlayment: min. 4 hours/max. 16 hours

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

- ASTM E96 perm rating: 0.02 perms
- Provides secondary top-down waterproofing
- There are no limits for the thickness of the topping or underlayment installed over ARDEX MC ULTRA.
- Working time: 30 minutes
- Pot life: 30 minutes
- Install underlayment or topping: Min. 16 hours after ARDEX MC ULTRA sealer is installed; No max

- Two-color system clearly identifies where each coat has been placed improving application accuracy.

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

- ASTM 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
- No sand broadcast required for underlayment applications of 1/4" (6 mm) or less
- Working time: 20 minutes
- Pot life: 20 minutes
- Prime and install underlayment: Min. 8 hours after ARDEX MC PLUS sealer is installed; Max. 24 hours

- Two-color system clearly identifies where each coat has been placed improving application accuracy.

100% solids epoxy resin
For RH readings up to 100%
ASTM E96 perm ratings 0.1 or less
Solvent free
Completely Alkali resistant
Tenacious bond to substrate
Low VOC

ARDEX MC™ ULTRA ARDEX MC PLUS ARDEX MC RAPID
Standard Manufacturer Warranty 6 Months 6 Months 6 Months
ARDEX Trained Installer 15 Years 12 Years 10 Years
ARDEX LevelMaster Elite® 20 Years 15 Years 15 Years

ARDEX Industry-Best Warranties

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

- ASTM 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
- No sand broadcast required for underlayment applications of 1/4" (6 mm) or less

- Working time: 20 minutes
- Pot life: 20 minutes
- Prime and install underlayment: Min. 8 hours after ARDEX MC PLUS sealer is installed; Max. 24 hours

- Two-color system clearly identifies where each coat has been placed improving application accuracy.

100% solids epoxy resin
For RH readings up to 100%
ASTM E96 perm ratings 0.1 or less
Solvent free
Completely Alkali resistant
Tenacious bond to substrate
Low VOC
Crack Repair

ARDEX ARDIFIX™
Seal off cracks, saw-cuts, control joints, spalls and pop-outs prior to installing ARDEX MC™ Moisture Control Systems, Underlayments and Toppings.

Service temperature 0°F to 110°F (-17 to 43°C)
100% solids two-part polyurethane
No limits on thickness

- Pot life: Approx. 2 minutes
- Tack free: Approx. 10 minutes
- Full Service: 45 minutes
- Zero VOC

ARDEX ARDISEAL™ RAPID PLUS
Semi-Rigid Joint Sealant
Designed specifically to fill cracks and joints in concrete floors that are exposed to foot and heavy-duty rubber-wheeled traffic.

Service temperature of 40°F to 120°F (40°C to 48°C)
100% solids by weight, two-part semi-rigid joint sealant
Self-leveling consistency

- Pot life: 3 minutes
- Cure time: 90 minutes
- VOC: <8 g/L, calculated SCAQMD 1168

This product is not designed to be UV color stable. Interior use only.

Primers

ARDEX EP 2000™
Substrate Preparation Epoxy Primer
Prime concrete and certain non-porous substrates. Can be used as crack filling material.

- 100% solids epoxy resin
- Install ARDEX Underlayments and Toppings 16 hours after sand broadcast
- Required primer for ARDEX decorative toppings

ARDEX P 51™
Primer
Improves adhesion of ARDEX products by sealing standard absorbent concrete substrates, and also other substrates in specialized applications.

- Dry time approximately 3 hours
- Apply ARDEX cement within 24 hours
- Use double application for extremely absorbent concrete

ARDEX CG Concrete Guard™
High-Performance, Water-Borne Acrylic Concrete Sealer
Seals and protects all uncoated cementitious surfaces, including ARDEX Toppings. Please refer to individual product brochures.

- Can be used as primer for certain products when diluted
- UV Stable
- Exceeds ADA requirements
- USDA/FDA FSIS Directive 1000.5, Revision 1 Approved
Installation Tools

ARDEX Self-Leveling Tool Kit
ARDEX T-1 Mixing Paddle
ARDEX T-4 Spreader
ARDEX T-5 Smoother
ARDEX T-10 Black Mixing Barrel
ARDEX Measuring Buckets

ARDEX T-2 Mixing Paddle
For ARDEX Troweled Underlayments and Toppings

ROVER® Rolling Barrel Cart
Up to 3 bags in a single mix
ARDIFLO™ Systems offer equipment designed to match capabilities with project parameters. Pumps are available for rent or purchase with a broad range of training and support options. Tailored warranty and contractor programs are available.

**POWERFLO® High-Capacity Pump Trailer**
16,500 sq. ft. (1,533 m²) per hour at 1/4" (.64 cm)
Pumps 150 feet vertically and 600 feet horizontally

**CUBE® Medium-Capacity Mobile Mixing Pump**
- **Standard**: Pumps up to 7,500 sq. ft. or 697 m²
- **High Output**: Pumps up to 12,000 sq. ft. or 1,115 m²
Pumps 150' (45 m) vertically and 400' (122 m) horizontally

**AMP® Automatic Mixing Pumps**
- **AMP® 200 High Output Model**: Pumps up to 6,000 sq. ft. (557 m²)
- **AMP® 100 Standard Model Output**: Pumps up to 3,000 sq. ft. (279 m²)
Pumps 60' (18 m) vertically and 200' (60 m) horizontally
Pump capacities per hour at 1/4" (6 mm)

**The Super Sack**
- High Capacity Underlayment
  - Ideal for rough-screeded concrete surfaces. Designed for the POWERFLO® high-capacity pumping system. Can be tapered to meet existing elevations. Walkable in 2 to 3 hours.

**ARDEX HC 100™**
- High-Capacity Self-Leveling Underlayment
  - Installs up to 1 1/4" (3 cm) neat
  - Install moisture-insensitive tile and stone after 6 hours, most other floor coverings after 1 to 3 days

**ARDEX HC 100R™**
- High-Capacity Rapid Self-Leveling Underlayment
  - Installs up to 1 1/2" (4 cm) neat
  - Install moisture-insensitive tile and stone after 6 hours, all other floor coverings after 16 hours

www.ardiflo.com
A 5,000 square-foot renovation of a retail store was two weeks behind schedule. There was more than 1” (2.5 cm) in variation across the floor. There also was significant cracking and surface contamination on the existing concrete.

When time is critical, the speed and reliability of ARDEX MC™ RAPID and ARDEX PC-T™ are the answer. ARDEX MC™ RAPID is approved as a fast-track primer and ARDEX Underlayments and Toppings can be installed in as little as 4 hours. ARDEX MC™ RAPID provides superior coverage of up to 270 square feet per coat.

ARDEX Polished Concrete Systems include specified steps from substrate preparation through the finished polished floor and floor maintenance. ARDEX PC-T™ can be installed from 3/8” (9 mm) up to 2” (5 cm) neat, making it an ideal solution for the variation of 1” (2.5 cm) across the substrate.

CASE STUDY
Lime Ridge Mall
Ontario, Canada
Installer: TTM Finishes Inc.