



ARDEX 8+9™

Rapid Waterproofing and Crack Isolation Compound

Rapid setting – tile in as little as 90 minutes

Flood test in 4 hours

Crack isolation up to 1/8" (3 mm)

Excellent coverage – up to 300 sq. ft. for commercial unit and up to 100 sq. ft. for convenient kit

Available in Gray or White

Ideal for applications in commercial and residential bathrooms, showers and kitchens prior to the installation of tile and stone

For use in submerged applications, such as swimming pools*

Use for interior or exterior floors and walls*²

Easy to apply with a roller or paint brush

A solvent-free blend of Portland cement and other hydraulic cements for the ultimate bond with ARDEX tile and stone mortars

Helps to prevent efflorescence from the substrate

Can be used in place of a shower pan liner

Use for shower pan in conjunction with ARDEX A 38 MIX™ / ARDEX A 38™ for fast-track applications

Zero water penetration via wind-driven rain

Protects installation, including wire lathe, metal fasteners and wooden substrates

Breathable makeup allows for more vapor pressure compensation; less risk of condensation within the building envelope



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Suitable Substrates

- Common building substrates (concrete cured a minimum of 28 days, masonry, cementitious backer board, drywall)
- Existing tile
- Plywood (APA-rated, Type 1 exterior-grade; interior, horizontal applications only)
- Concrete treated with certain curing compounds (test areas only; for full instructions, see: www.ardexamericas.com/services/properprep)

Suitable Applications

- Topside waterproofing and crack isolation membrane prior to installation of tile and stone
- Commercial and residential bathrooms, showers, kitchens, balconies and other wet areas; not for commercial steam showers
- In place of a shower pan liner
- Shower pan in conjunction with ARDEX A 38 MIX™ / ARDEX A 38™ for fast-track applications
- Crack isolation up to 1/8" (3 mm) with ARDEX SK MESH™ Reinforcement Fabric; up to 1/16" (1.5 mm) when used alone
- Crack bridging over existing dormant, non-structural cracks up to 1/8" (3 mm) wide with no vertical displacement
- Adhering ARDEX DS 70™ Acoustic Mat installations; refer to the appropriate technical data sheets
- Submerged applications (e.g., swimming pools)*
- Interior or exterior floors and walls*²
- Not recommended for roofing applications or as exterior primary waterproofing over indoor spaces.

* Requires 3-coat application; contact the ARDEX Technical Service Department before proceeding with submerged applications.

*² Contact the ARDEX Technical Service Department for guidance on exterior floor and wall applications.

Jobsite Conditions

Substrate and ambient temperatures must be a minimum of 50°F (10°C) during installation and cure. If installing over an in-floor heating system, turn the heating system off 48 hours before, during and at least 48 hours after completion of the installation.

Step 1: Substrate Preparation (Proper Prep™)

All substrates must be structurally sound, solid, dry, thoroughly clean and free of oil, wax, grease, asphalt, latex and gypsum compounds, curing compounds, sealers and any contaminant that might act as a bond breaker.

The plane of wall surfaces must be plumb and true. Floor surfaces must have minimal variation in the plane or slope, and sloped areas must have proper slope toward the drain(s). Refer to ANSI A108.01 "General Requirements: Subsurface and Preparation by Other Trades" and the most current version of the TCNA "Handbook for Ceramic Tile Installation" for detailed information on surface preparation and guidelines for substrate construction. Honor joints and cracks as needed, including the incorporation of movement joints, per ANSI A108 AN-3.7.

For full details on Proper Prep, reference the following articles at www.ardexamericas.com/services/properprep:

- Article 1: Preparing Concrete for Bonded ARDEX or HENRY Applications
- Article 1.1: Preparing Concrete for ARDEX Underlayments
- Article 2: Preparing Wood for Bonded ARDEX Applications
- Proper Prep Brochure

Step 2: Pre-Leveling / Smoothing Options

Interior or Exterior: ARDEX AM 100™ Rapid Set Pre-Tile Smoothing and Ramping Mortar; ARDEX A 38™ Rapid Set Screed.

Interior Only: ARDEX Liquid BackerBoard® Self-Leveling Underlayment; ARDEX TL 1000™, TL 1400™ and TL 2000™ Self-Leveling Underlayments; ARDEX SKM™ Skim Finish.

Observe the substrate preparation, mixing, application and drying instructions in the appropriate ARDEX technical data sheet.

Step 3: Mixing and Application

Recommended Tools and Accessories:

- ARDEX M-6W Mixing Bucket³, ARDEX T-2 Ring Mixing Paddle
- ARDEX SK MESH™ Reinforcement Fabric, ARDEX SK DRAIN™ Mesh Reinforcement Fabric for Drain Tie-Ins
- 3/16" x 3/16" V-notch trowel, high-speed drill, margin trowel, putty knife
- 3/8" nap paint roller and paintbrush

Mixing

ARDEX 8+9 can be mixed to two different consistencies – caulking or paintable. Pour the ARDEX 8 liquid into the mixing bucket first, then add the ARDEX 9 powder. Do not add water or additives. Mix with an ARDEX T-2 Ring Mixing Paddle and a high-speed drill for 2–3 minutes. Stir again just prior to application to ensure a creamy, smooth, lump-free consistency. Pot life is up to 45 minutes.

Caulking Consistency

- One 9 lb. (4 kg) bag of ARDEX 9: approximately 2/3 of the 1-gallon unit (approx. 2/3 gallon / 2.5 L) of ARDEX 8
- One 27 lb. (12 kg) bag of ARDEX 9: approximately 2/3 of the 3-gallon unit (approx. 2 gallons / 7.56 L) of ARDEX 8
- Small batches: 2/3 part ARDEX 8 to 1 part ARDEX 9 powder by volume

Paintable Consistency

- One 9 lb. (4 kg) bag of ARDEX 9: one entire 1-gallon (3.78 L) unit of ARDEX 8
- One 27 lb. (12 kg) bag of ARDEX 9: the entire 3-gallon (11.34 L) unit of ARDEX 8
- Small batches: 1 part ARDEX 8 to 1 part ARDEX 9 by volume

Step 4: Application

Use the caulking consistency to fill around floor or wall penetrations, corner and floor/wall joints, and around pipes. Blend any unused portion back into the liquid ARDEX 8 for use at the paintable consistency. Follow by applying ARDEX SK MESH over the corner or penetration using the paintable consistency, then smooth the area with a putty knife.

Apply the first coat of the paintable mixture with a paint roller; use a paintbrush to coat reinforced corners, edges and around drains. Allow the coat to dry thoroughly (30–45 minutes).

A second coat is required to achieve a waterproof and/or crack isolation membrane and must be applied at a 90° angle to the first coat. Total thickness should be a minimum of 1/32" (0.79 mm). Allow the final coat to dry thoroughly (approximately 1 hour at 70°F/21°C) prior to installing tile. Once dry to the touch, cover ARDEX 8+9 with mortar within 24 hours to avoid dust contamination; if contamination occurs, clean with a damp ARDEX sponge before applying mortar.

Mesh Reinforcement for Drains. Changes of Plane, Cracks and Saw Cuts

For drain tie-ins, corners, changes in plane and individual cracks or saw cuts, use standard-width 4 7/8" (120 mm) ARDEX SK MESH.

For corners, changes in plane and individual cracks or saw cuts: apply the reinforcement material with ARDEX 8+9 mixed to a paintable consistency. Without allowing the ARDEX 8+9 to dry, lay the fabric into the fresh material and key it in with the smooth side of a clean trowel or the elbow of a roller. Proceed with installation of two coats of paintable-consistency ARDEX 8+9 over the whole surface to be waterproofed, as detailed above.

For drain tie-ins: apply paintable-consistency ARDEX 8+9 around the edges of the drain with a paintbrush. Lay ARDEX SK DRAIN into the fresh material and key it in with the flat side of a trowel. Immediately proceed with two coats of paintable-consistency ARDEX 8+9 over the drain mesh and the entire surface to receive waterproofing. Take special care to ensure no wrinkles are left in the installed mesh.

Crack Isolation - Per TCNA F125 Full

ARDEX 8+9 can be used as a crack isolation membrane in accordance with ANSI A118.12, isolating minor, in-plane substrate cracking up to 1/16" (1.5 mm) when used without mesh and up to 1/8" (3 mm) when used with mesh. If ARDEX SK MESH is used over a large, cracked area, first apply a layer of ARDEX 8+9 to the substrate using a 3/16" x 3/16" V-notch trowel, taking care to avoid wrinkles in the installed mesh.

Crack Bridging - Per TCNA F125 Partial

ARDEX 8+9 can bridge existing dormant, non-structural cracks and saw cuts up to 1/8" (3 mm) wide with no vertical displacement. ARDEX SK MESH must be placed over the crack.

Step 5: Tile Installation and Flood Testing

Tile can be installed over ARDEX 8+9 once the final coat has dried (approximately 1 hour, depending on ambient conditions). If flood testing is required, the final coat of ARDEX 8+9 must first cure for a minimum of 4 hours.

Because ARDEX 8+9 is a liquid-applied membrane, ARDEX tile mortars installed over it must be limited to a maximum thickness of 3/8" (3/4" x 3/4" notch trowel). For details on which ARDEX tile mortars are approved over ARDEX 8+9 in exterior applications, contact the ARDEX Technical Service Department.

Step 6: Cleanup

Clean all tools with water immediately after use.

ANSI Test Results – A118.10 (Waterproofing)

Property	ANSI Specification	Test Result
Fungus Resistance (A118.10 §4.1)	No Growth	Pass
Seam Strength (A118.10 §4.2)	>8 lbs./in. width	48 lbs./in. width
Breaking Strength (A118.10 §4.3)	>170 psi (12 kg/cm ²)	865 psi (61 kg/cm ²)
Dimensional Stability (A118.10 §4.4)	+/- 0.7%	0.00%
Waterproofness (A118.10 §4.5)	No Water Penetration	Pass

ANSI Test Results – A118.12 / Shear Bond Strength

Property	ANSI Specification	Test Result
Shear Strength, 7-Day Water Immersion (A118.10 §5.4)	>50 psi (5 kg/cm ²)	90 psi (6 kg/cm ²)
Four-Week Shear Strength (A118.10 §5.5)	>50 psi (5 kg/cm ²)	132 psi (9 kg/cm ²)
Crack Resistance, Standard, No Mesh (A118.12 §5.4)	>1/16" and <1/8"	Pass
Crack Resistance, High, With Mesh (A118.12 §5.4)	>1/8"	Pass
Point Load (A118.12 §5.2)	>1,000 lbs.	>3,300 psi (232 kg/cm ²)
Robinson Test (A118.12 §5.3)	As Specified	Extra Heavy

Precautions

Carefully read and follow all precautions and warnings on the product label. For complete safety information, please refer to the Safety Data Sheet (SDS) available at www.ardexamericas.com.

Technical Data According to Manufacturer Quality Standards

Property	Value
Mixing Ratio – Paintable Consistency	1 gal. (3.78 L) ARDEX 8 per 9 lb. (4 kg) ARDEX 9; small batches 1 part ARDEX 8 to 1 part ARDEX 9 by volume
Mixing Ratio – Caulking Consistency	2/3 gal. (2.5 L) ARDEX 8 per 9 lb. (4 kg) ARDEX 9; small batches 2/3 part ARDEX 8 to 1 part ARDEX 9 by volume
Coverage	100 sq. ft. (2 coats) over drywall; approx. 70 sq. ft. (2 coats) over concrete
Pot Life	Up to 45 minutes
Drying Time	30–45 minutes for initial coat; approx. 60 minutes for final coat
Flood Test	Begin 4 hours after the second coat has been applied
Colors Available	Gray and White
VOC	0
Sizes Available	Convenient Kit: ARDEX 8 (liquid) 1 gal. (3.78 L) bottle and ARDEX 9 (powder) 9 lb. (4 kg) bag. Commercial Size: ARDEX 8 (liquid) 3 gal. (11.34 L) bottle and ARDEX 9 (powder) 27 lb. (12 kg) bag
Storage	Store in a cool, dry area. Do not expose packages to sun. Keep liquid from freezing.
Shelf Life	1 year
Warranty	ARDEX L.P. Standard Limited Warranty applies. Also eligible for the ARDEX SystemOne™ 25-Year Limited Warranty when used in conjunction with select ARDEX mortars and grouts.

Notes

Intended for use by professional contractors who are trained in the application of this product and/or similar products. Not sold by ARDEX through home improvement centers. For information on ARDEX Academy trainings, visit

www.ardexamericas.com.

In accordance with industry standards, and to determine the suitability of the product for the intended use, always install an adequate number of properly located test areas, including the tile installation. As tiles vary, always contact and rely upon the tile manufacturer for specific directives, such as maximum allowable moisture content, mortar selection and intended end use of the product. If the installation is not proceeding as expected, contact the ARDEX Technical Service Department before proceeding further.

Observe the basic rules of tile work. Install quickly if the substrate is warm, and follow the warm weather installation guidelines available on our website.

Dispose of packaging and residue in accordance with prevailing regulations. Do not flush material down drains. Do not reuse packaging.

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www.ardexamericas.com.

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Visit www.youtube.com/ARDEX101 to watch ARDEX product demonstration videos. For recommended installation tools, visit DTA USA at www.dtausagroup.com. For easy-to-use ARDEX Product Calculators and Product Information On the Go, download the ARDEX App.



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