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# ARDEX 8+9™

## Waterproofing Compound

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Portland cement-based two-part waterproofing membrane

Waterproof all common substrates in commercial and residential bathrooms, showers and kitchens prior to the installation of tile or stone

Receives all types of tile and stone

Use for interior or exterior floors and walls

Two coat system – roller applied

Rapid setting – tile in 2 hours

Flood test in 4 hours!

Solvent free

Non-bituminous – not an epoxy

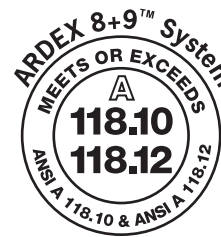


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# ARDEX 8+9™

## Waterproofing Compound



### Description And Usage

Ardex 8+9™ Waterproofing Compound is a two-component system consisting of a solvent-free, acrylic-based liquid compound combined with a Portland cement-based powder. When mixed and applied, these components produce a flexible, waterproof coating that protects substrates from water from above and provides an excellent bonding layer for tile and stone setting materials.

Use to waterproof all common building substrates that require protection from topside water exposure. Use over interior and exterior concrete and masonry finishes, and over existing tile, drywall, cementitious backer boards and plywood on all interior floors and walls prior to the installation of tile and stone.

Also use for exterior balconies and other concrete and masonry surfaces to prevent liquid water from penetrating from the topside through the tile application to the area below.

### Substrate Preparation

ARDEX 8+9 requires a solid substrate that is clean, dry and free of oils, grease, wax, latex compounds, curing compounds, dust and all foreign matter. Plywood substrates must be APA-rated, Type 1 exterior-grade plywood. Refer to ANSI A 108 AN-2 "General Requirements for Subsurfaces" and the Tile Council of North America's "Handbook for Ceramic Tile Installation" for detailed information on surface preparation and guidelines for substrate construction. The plane of wall surfaces must be plumb and true. Floor surfaces must have minimal variation in the plane or slope.

Should interior pre-leveling or subfloor repair be required, use ARDEX AM 100™ PRE-TILE REPAIR MORTAR, ARDEX TL 1000™ Self-Leveling Underlayment or ARDEX TL WOOD™ Self-Leveling Underlayment, as appropriate. Waterproofing may proceed in as little as 24 hours.

Expansion joints must be provided over existing moving joints, and where substrate materials change composition or direction, per ANSI A 108 AN-3.7.

### Mixing And Application

One unit of ARDEX 8+9 consists of one gallon of ARDEX 8 liquid, and one 9 lb bag of ARDEX 9 powder. No water or other additives are required. ARDEX 8+9 can be mixed to two different consistencies – trowelable or paintable.

**TROWELABLE CONSISTENCY:** Mix the full bag of ARDEX 9 to approximately 2/3 of a unit of ARDEX 8. Pour the ARDEX 8 liquid into the mixing container first and then add the ARDEX 9 powder. For best results, mix with an ARDEX T-2 Ring Paddle and low speed drill. To mix by hand, use a margin trowel and mix vigorously for 2 to 3 minutes. Mix thoroughly to obtain a lump-free mixture.

Use this consistency to fill around floor or wall penetrations, for corner and floor/wall joints and dormant cracks up to 1/8" wide. When joint widths exceed 1/8", apply ARDEX SK™ Mesh Tape, glass tape or similar material over the crack using the paintable consistency and then smooth over the area with a putty knife.

The unused portion of the trowel grade mixture can be blended back with the balance of the liquid ARDEX 8 and used in a paintable consistency

**PAINTABLE CONSISTENCY:** Mix the full bag of ARDEX 9 with one unit of ARDEX 8. Pour the ARDEX 8 liquid into the mixing container first and then add the ARDEX 9 powder. For best results, mix with an ARDEX T-2 Ring Paddle and low speed drill. To mix by hand, use a margin trowel and mix vigorously for 2 to 3 minutes. Mix thoroughly to obtain a lump-free mixture.

Apply the first coat of the paintable mixture to the surface with a paint roller. Use a paintbrush to coat reinforced corners, edges, and around drains. Coat the entire area to be waterproofed and allow thorough drying (30 to 45 minutes). A second layer is required to obtain a waterproof membrane, and must be applied at a 90° angle to the first coat. Total thickness should be 1/32" minimum. Allow the final layer to dry thoroughly (approximately 2 hours at 70°F/21°C prior to installing the tile using Ardex setting materials.

### MESH REINFORCEMENT FOR DRAINS AND

**CHANGE OF PLANE:** For drain tie-ins, corners, changes in plane and individual cracks or saw cuts use standard width 4.75 in. (120 mm) ARDEX SK™ Mesh Tape, glass tape or similar material.

For corners, changes in plane and individual cracks or saw cuts, begin the installation by caulking the referenced items with ARDEX 8+9 mixed to a trowelable consistency. Without allowing the ARDEX 8+9 to dry, lay the fabric into the fresh ARDEX 8+9 and key it in with the smooth side of a clean trowel or the elbow of a roller. Immediately proceed to install 2 coats of paintable consistency ARDEX 8+9 over the whole surface to be waterproofed.

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For drain tie-ins, apply the paintable consistency mixture of ARDEX 8+9 around the edges of a drain using a paintbrush. Lay the ARDEX SK Drain Mesh or similar drain mesh in the fresh ARDEX 8+9 and key it in with the same paintbrush. Immediately proceed with two coats of paintable consistency ARDEX 8+9 over the drain mesh and the entire surface to receive waterproofing.

NOTE: When installing ARDEX 8+9 with mesh, special care should be taken to ensure no wrinkles are left in the installed mesh.

**FLOOD TESTING:** ARDEX 8+9 can be flood tested 4 hours after the final layer has been applied.

**CRACK ISOLATION:** ARDEX 8+9 can be used as a crack isolation membrane in accordance to ANSI A 118.12. ARDEX 8+9 will isolate minor, in plane substrate cracking up to 1/16" when used without mesh and up to 1/8" when used with mesh.

**CRACK BRIDGING:** ARDEX 8+9 can be used to bridge existing dormant, non-structural cracks up to 1/8" wide with no vertical displacement. ARDEX SK Mesh Tape, glass tape, or similar material must be placed over the crack.

## Notes

All tools should be cleaned with water immediately after use.

As always, ARDEX recommends the installation of test areas to confirm the suitability of the product for the intended use. ARDEX 8+9 must be worked at temperatures over 50°F/10°C.

## Precautions

ARDEX 8+9 contains Portland cement. Avoid eye and skin contact. Mix in a well-ventilated area and avoid breathing powder or dust. KEEP OUT OF REACH OF CHILDREN. Carefully read and follow all cautions and warnings on the product label. For complete safety information, please refer to the Material Safety Data Sheet or visit our website at [www.ardex.com](http://www.ardex.com).

Physiologically and ecologically friendly when set. Never mix with cement or additives other than ARDEX approved products. Observe the basic rules of tile work. Do not install below 50°F/10°C surface temperature.

## Technical Data According To Ardex Quality Standards

All data based on a mixing ratio of 1 unit of ARDEX 8 to 1 unit of ARDEX 9 at 70°F/21°C

### Mixing Ratio

**Paintable Consistency:** 1 full 9 lb bag of ARDEX 9 powder to 1 full gal of ARDEX 8 Liquid

### Mixing Ratio

**Trowel Consistency:** 1 full 9 lb bag of ARDEX 9 Powder to 2/3 gal of ARDEX 8 Liquid

### Coverage:

100 sq. ft. (2 coats) over drywall per combined unit  
Approx. 70 sq. ft. (2 coats) over concrete per combined unit

### Pot Life:

Up to 45 minutes at 70°F/21°C

### VOC Content:

0 g/L (calculated)

### Drying Time:

2 hours for final coat\* at 70°F/21°C  
1 hour for initial coat at 70°F/21°C  
(\* thicker applications may need longer to dry)

### Flood Test:

Begin 4 hours after the second coat has been applied.

### Packaging:

ARDEX 8 Liquid: 1 gallon bottle  
ARDEX 9 Powder: 9 lb bag

### Storage:

Store in a cool, dry place. Do not expose container or liquid to sunlight. Keep liquid from freezing.

### Shelf Life:

One year if unopened

### Warranty:

Please refer the ARDEX Tile & Stone Installation System Warranty Brochure

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AT114 (Rev. F 04/07)

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