



# ARDEX P 4™

**Pre-Mixed, Rapid-Drying, Multipurpose Primer**

**Ready-to-use, rapid priming with a tenacious bond!**

**Ready to use (pre-mixed); single component**

**For use over most common substrates**

**Dries in as little as 30 minutes**

**Can be used on smooth surfaces; produces a textured surface for tenacious bond**

**Drip and splash-free consistency**

**White color to clearly identify primed areas**

**For use prior to the installation of ARDEX Tile & Stone systems and ARDEX self-leveling underlayments**

**Interior and exterior use**

**Ideal for areas that may become damp or wet, such as kitchens, bathrooms and porches**



# ARDEX P 4™

## Pre-Mixed, Rapid-Drying, Multipurpose Primer

### Suitable Substrates\* and Suitable Applications

For priming appropriate substrates prior to application of ARDEX Underlayments and Tile Mortars (all grade levels):\*

- Concrete (absorbent, non-absorbent, steel-troweled)
- Terrazzo (cementitious, epoxy)
- Gypsum\*\*
- Cementitious patching and smoothing compounds
- Dry sand / cement screeds
- Porcelain, ceramic, glass and quarry tiles and most natural stone
- Cement-based, agglomerate tiles
- Glazed cement masonry units
- ARDEX MC RAPID\*\*\*
- Exterior grade plywood subfloors
- Radiant-heated subfloors not to exceed 85°F (29°C)
- Approved, properly prepared, non-water-soluble adhesive residue on concrete\*\*\*\*
- Properly prepared epoxy terrazzo\*\*\*\*\*
- Agglomerate marble and poured epoxy flooring\*\*\*\*\*

\*While ARDEX P 4 is suitable for use over these substrates, they are not suitable for all self-leveling underlayments and tiling systems. Refer to the specific requirements for the ARDEX underlayment or tile mortar being installed. Not suitable for use in swimming pools or other submerged areas.

\*\*Dilute ARDEX P 4 with water as detailed in the Application selection below. Please be advised that gypsum has inherent weakness, and the application of ARDEX P 4 cannot change the fact that a weak substrate lies below.

\*\*\*Not for priming ARDEX MC RAPID prior to application of ARDEX K 15 or ARDEX K 13.

\*\*\*\*For tile mortars only.

Do not use over concrete with excessive moisture. If concrete moisture control is needed: Contact the ARDEX Technical Service Department or visit the ARDEX Americas website for moisture control options:

[ardexamericas.com/products/moisture-control](http://ardexamericas.com/products/moisture-control).

### Jobsite Conditions

During installation and cure, substrate and ambient temperatures must be a minimum of 50° F / 10° C (Maximum 85° F / 29° C). 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™)

For full details on Proper Prep, reference the following articles at [ardexamericas.com/services/properprep](http://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](#)

Refer to the specific requirements for the ARDEX underlayment or tile mortar being installed.

Mechanically clean substrate, if necessary, by shot blasting or similar means. Do not use acid etching, adhesive removers, solvents or sweeping compounds, as these are bond breakers. Sanding is not an effective method to remove contaminants from concrete.

Substrate must be dry and alkali free. All substrates must be sound, solid and thoroughly clean of all bond-breaking contaminants, including but not limited to: overwatered or otherwise loose or weak material; dirt, dust, wax, grease, paints and oils; unsuitable adhesive residues.

Following preparation, thoroughly vacuum to remove all excess dirt and debris.

Handle and dispose of asbestos and other hazardous materials in accordance with prevailing regulations, which supersede the recommendations in this document.

## **Step 2: Treating Joints and Cracks**

Refer to the specific requirements for the ARDEX underlayment or tile mortar being installed.

## **Step 3: Application**

### **Recommended Tools**

Wooden paint mixing stirrer, paint tray, short-nap paint roller and paintbrush

### **Application**

All dry times are calculated at 70°F (21°C). Drying time is a function of jobsite temperature and humidity conditions. Low substrate temperatures and/or high ambient humidity will extend the drying time. Adequate ventilation and heat will aid drying.

Approximate Coverage (Dependent on surface profile, density and porosity):

- 300 sq. ft. (27.8 m<sup>2</sup>) per 1-gallon Unit
- 1,050 sq. ft (97.5 m<sup>2</sup>) / 3.5-gallon Unit

Stir with a wooden paint stirrer or similar to ensure all components that have settled are in full suspension. Do not mechanically mix or mix with other additives.

Required for gypsum substrates; otherwise optional for absorbent substrates: To allow for ease of application and to minimize the risk of air bubbles over absorbent substrates, dilute ARDEX P 4 with water as follows; stir thoroughly prior to application:

- Up to 0.75 quarts (0.7 L) water per 1-gallon (3.79 L) unit
- Up to 2.5 quarts (2.4 L) water per 3.5-gallon (13.25 L) unit

Apply a thin, even layer of the freshly stirred product to the prepared concrete. Saturate a 3/8" nap roller, apply uniformly in a singular direction, and back roll. Allow the primer to dry to a thin, opaque white film (min. 30 minutes). Once dry, there is no time limit before the ARDEX underlayment or tile mortar proceeds; however, the installation should proceed as soon as possible to minimize risk of contamination and/or damage.

ARDEX underlayment installation thickness over ARDEX P 4 must be limited as follows:

When ARDEX P 4 is used to prime ARDEX MC RAPID: 1/4"

All other cases: 1/2"

## Step 4: Tool Cleanup

Clean all tools with water before product dries.

## 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 [ardexamericas.com](http://ardexamericas.com). Never mix with cement or additives outside of our written recommendations. In accordance with industry standards, and to determine the suitability of the products for the intended use, always install an adequate number of properly located test areas.

Observe the basic rules of tile work. Observe the basic rules of concrete work, including the minimum surface and air temperatures detailed above. Install quickly if the substrate is warm, and follow the warm weather installation guidelines available on our website. If the installation is not proceeding as expected: Contact the ARDEX Technical Service Department before proceeding further. Dispose of packaging and residue in accordance with prevailing regulations. Do not flush material down drains. Do not reuse packaging.

## 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](http://www.ardexamericas.com).

## Technical Data According to Manufacturer Quality Standards

Physical properties are typical values and not specifications. and Testing completed at 70°F / 21°C.

<b>VOC:</b>	3 g/L SCAQMD
<b>Packaging:</b>	3.5 gal. (13.25 L) Unit 1 gal. (3.78 L) Unit
<b>Storage:</b>	Do not freeze. Store at temperatures between 40 and 90°F (5 - 32°C). Do not leave units exposed to sun. Protect unused material by removing air from container and sealing tightly.
<b>Shelf Life:</b>	12 months, if unopened and properly stored
<b>Warranty:</b>	ARDEX Standard Limited Warranty applies. For full warranty details: <a href="http://www.ardexamericas.com/services/warranties">www.ardexamericas.com/services/warranties</a> .

Made in the USA.

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



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