ARDEX P 51™
Primer

For absorbent concrete, wood*, gypsum* and non-water-soluble adhesive residue on concrete*

Concentrated primer - dilutes with water

Seals the substrate

For bonding ARDEX underlayments and toppings to appropriate substrates

For interior use only

For easy-to-use ARDEX Product Calculators and Product Information On the Go, download the ARDEX App at the iTunes Store or the Android™ Marketplace.

Available on the iPhone App Store

Available in Android Market

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ARDEX P 51™
Primer

Description
ARDEX P 51™ is a solvent-free primer for the installation of ARDEX underlayments and toppings over absorbent concrete. *For specialized applications and with select underlayments, ARDEX P 51 also can be used for priming wood, gypsum and non-water soluble adhesive residue over concrete.

Non-porous substrates, burnished concrete, non-absorbent terrazzo, quarry and ceramic tile and epoxy coating must be primed with ARDEX P 82™ Ultra Prime. Please refer to the ARDEX technical brochure for more information.

Substrate Preparation
For specific substrate preparation requirements for each ARDEX product, please refer to the individual technical data sheets.

All substrates must be structurally sound, solid, thoroughly clean and free of oil, wax, grease, asphalt and any other contaminant that might act as a bond breaker. For further information, please refer to the ARDEX Substrate Preparation Technical Data Sheet.

Mixing and Application
As some settling will occur, shake, stir or mix the ARDEX P 51 prior to use to ensure that all components that have settled are in full suspension.

Standard absorbent concrete must be primed with ARDEX P 51 diluted 1:1 with water. Apply evenly with an exploded-tip stiff bristle broom. Do not use paint rollers, mops or spray equipment. Do not leave any bare spots. Brush off puddles and excess primer. Allow primer to dry to a clear, thin film (min. 30 minutes, max. 24 hours). To determine if the ARDEX P 51 is dry after a minimum of 30 minutes (max. 24 hours), pour water onto the surface of the primer in several areas and rub it with your finger. If the water remains clear, the primer is dry. If the water turns cloudy or milky, additional drying time is needed.

Extremely absorbent concrete may require two applications of ARDEX P 51 (the “double-prime” method) to avoid the formation of bubbles and pinholes in the ARDEX Underlayment or Topping. In such cases, make an initial application of ARDEX P 51 diluted with 3 parts by volume of water. Let dry thoroughly (1 to 3 hours) and install a second application of ARDEX P 51 mixed 1:1 with water as stated above.

*ARDEX P 51 is used to prime wood, gypsum and non-water-soluble adhesive residue on concrete only in conjunction with select ARDEX underlayments. ARDEX P 82 is required in some cases. For priming instructions, refer to the specific ARDEX technical data sheet for the ARDEX underlayment being installed.

Notes
Do not install below 50ºF (10ºC) surface or air temperature. Low substrate temperatures and/or high ambient humidity can cause extended dry times for ARDEX primers. Do not install the ARDEX underlayment or topping before the primer has dried thoroughly.

Do not reuse container. Dispose of container and residue in accordance with federal, state and local waste disposal regulations. Do not flush product down drains.

FOR PROFESSIONAL USE ONLY.

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

Technical Data According to ARDEX Quality Standards
All data based on a mixing ratio of 1 part primer to 1 part water by volume at 70°F (21°C). Physical properties are typical values and not specifications.

Mixing Ratio:	For standard absorbent concrete: 1 part primer to 1 part water by volume. For extremely absorbent concrete (“double-prime method”): 1 part primer to 3 parts water by volume for initial application, then 1:1 for second application
Coverage:	400 – 600 sq. ft. per gallon (9.75 – 14.5 sq. m per L)
Drying Time:	30 minutes; max. 24 hours
VOC:	0 g/L, calculated
Packaging:	1 gallon (3.79 L) plastic bottle 4 gallon (15.14 L) plastic pail
Storage:	Store in a cool dry area. Do not expose container to sun. Keep from freezing.
Shelf Life:	1 year, if unopened
Warranty:	ARDEX L.P. Standard Limited Warranty applies.

Made in the USA by ARDEX Engineered Cements,

Aliquippa, PA 15001

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