



ARDEX P 51TM

Primer

For standard absorbent concrete

Concentrated primer – dilutes with water

Seals the substrate

Improves the bond of ARDEX Underlayments and Toppings

For interior use only

ARDEX Engineered Cements
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ARDEX P 51™

Primer

Description And Usage

ARDEX P 51™ is a solvent-free primer that improves the adhesion of ARDEX products over standard absorbent dry concrete substrates, as well as over other substrates in specialized applications.

ARDEX P 51 can also be used over wood with select products such as ARDEX GS-4™ and ARDEX Liquid Backerboard™.

Non-porous substrates such as burnished concrete, terrazzo, quarry and ceramic tile, and epoxy coatings must be primed with ARDEX P 82™ ULTRA PRIME.

Specific substrate preparation requirements are provided in the individual Technical Brochures for each ARDEX product. Please refer to the ARDEX Technical Brochures for further information.

Substrate Preparation

All concrete substrates must be 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 Brochure.

Mixing And Application

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. 3 hours, max. 24 hours).

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.

Notes

Low substrate temperatures and/or high ambient humidity require longer drying times for ARDEX primers. Do not install the ARDEX Underlayment or Topping before the primer has dried thoroughly.

Precautions

Avoid eye and skin contact. Close container after each use. Do not reuse container. Dispose of container and primer residue in accordance with federal, state and local waste disposal regulations. Do not flush primer down drains, sewers or waterways. KEEP OUT OF REACH OF CHILDREN. Carefully read and follow all cautions and warnings on product label. For complete safety information, please refer to the Material Safety Data Sheet, or visit our web site at www.ardex.com.

Do not install below 50°F (10°C) surface or air temperature. ARDEX P 51 is non-toxic, non-explosive and non-flammable.

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)

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
Coverage:	400 to 600 sq. ft. per gallon using a pushbroom
Drying Time:	Min. 3 hours, max. 24 hours at 70°F/21°C
VOC Content:	0 g/L (calculated)
Packaging:	One gallon liquid in plastic container
Storage:	Store in a cool dry area. Do not expose container to sun. Keep from freezing.
Shelf Life:	One year unopened

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