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
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 50°F (10°C) 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.