

POWER PRIMER - 300

Self Leveling Epoxy Floor



PRODUCT DESCRIPTION

Power Primer-300 is a 100% solids, low viscosity, two part epoxy for use in restoring concrete floors and concrete surfaces prior to application of new topping/coating. Power Primer-300 ensures strong adhesion between an epoxy topcoat and the substrate, Power Primer-300 unique chemistry permits rapid displacement of substrate moisture, allowing for use on damp surfaces without diminishing performance, Do not apply Power Primer-300 over standing water.

ADVANTAGES

- Adhesion to damp concrete
- Strengthens porous substrates
- Bond new concrete to old
- 100% solids, No VOC'S

HANDLING PROPERTIES

Color	Straw
Mixing Ratio, pbv	2/1
Working Time, min	15-25
Gel Time, min	30-40
Mixed Viscosity, cps	500-800
Tack-Free Time (@ 72°F), h (@ 90°F), h (@ 50°F), h	6-9 5-7 12-16

PHYSICAL PROPERTIES

Shore Hardness, D scale	78
Compressive strength, psi	12,000
Tensile Strength, psi	3,350
Elongation@break, %	20
Adhesion to concrete	≥500

MIXING

Power Primer-300 is a two component system , Both components (Liquids A and B) should be at 70-90°F (21-32°C) prior to mixing. Pour the hardener (A side) into the resin (B side) and blend thoroughly using a mixing paddle and slow speed hand drill for 3 minutes, Mix at slow speeds (Less than 500 rpm's) to avoid air entrainment. Do not mix more material than can be used within the stated working time. Remember you will have less working time at higher at higher temperatures.

Power Primer-300 before it has hardened, can be removed from tools with Enviro-clean or warm soapy water.

PACAKING

Power Primer-300 available in 1 Kg and 2.5 Kg

SURFACE PREPARATION

Power Primer-300 is used to strengthen and seal a porous concrete substrate, therefore , adhesion is paramount. To achieve excellent adhesion , the substrate should be free of all loose and foreign materials and should be roughened slightly to provide a coarse profile by shot blasting or other mechanical method.

Before blasting , any contaminates on/in the concrete must be identified. ,Oils grease fats. Waxes or other contaminates must be removed rior to roughening the concrete, Thses can be removed with an application of warm (120-140°F or 49-60°C) caustic detergent, steam cleaning or pressure washing. Degrease the floor follow with a hot water rinse, Repeat this procedure until the water dose not bead up on the concrete.

Shot blasting using self-propelled, self-contained equipment is the recommended preparation method new concrete must cure a minimum of 28 days prior to the application of any epoxy, Concrete must be tested or moisture and vapor transmission before coating.



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APPLICATION

Relative humidity and dew point must be known before application to avoid adhesion failures. The dew point is used to predict the substrate temperature at which air begins to condense, in the form of water on the substrate. Never apply a coating unless the concrete surface temperature is 5°F (2°C) above the dew point. A dew point calculation chart is available from a Ultra Technical Representative.

Power Primer-300 can be applied by brush or short nap roller. When the primer has tacked up in approximately 6-9 hours, apply the epoxy topcoats. Power Epoxy Topcoat can be applied in as little as 7 hours at 72°F (22°C). Do not thin primer! Do not apply to concrete colder than 50°F (10°C) as insufficient curing may result.

SAFETY PRECAUTIONS

Avoid breathing of vapors, Forced local exhaust is recommended to effectively minimize exposure, NIOSH approved, organic vapors respirators and forced exhaust are recommended in confined areas, or when conditions (such as heated polymers, sanding) may cause high vapor concentrations, Do not weld on burn or torch on or near any epoxy material. Hazardous vapor is released when an epoxy is burned. Avoid skin or eye contact. Wash skin with soap and water if contact occurs. If eye contact occurs flush with water for 15 minutes and obtain medical attention. Read and understand all cautions on can labels and safety data sheet before using this material.

WARRANTY: The Power Chemicals LLC. ("Power") solely and expressly warrants that its products shall be free from defects in materials and workmanship for 12 months from the date of purchase. Unless authorized in writing by an officer of Power no other representations or statements made by Ultra or its representatives, in writing or orally, shall alter this warranty. **POWER MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME.** If any Power product fails to conform this warranty, Power will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Power does not authorize anyone on its behalf to make any written or oral statements which in any way alter Power installation information or instructions in its product literature or on its packaging labels. Any installation of Power products which fails to conform to such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Power products for the Buyer's intended purposes.