

Water Bond™ TECHNICAL DATA

Water Based Epoxy

**Floor Topcoat
Floor Coating**

**Low Yellowing
Self Priming
Water Cleanup
VOC Class: Floor Coating VOC - 122 g/l**

<p>STANDARD PRODUCT DESCRIPTION</p>	<p>Water Bond is a two component water based floor epoxy that exhibits excellent characteristics that rival solvent based products. Water Bond has superb chemical resistance, abrasion, and substrate penetration.</p> <p>This product is not Southern California VOC compliant and cannot be sold in those counties.</p>
<p>USES</p>	<p>Concrete, wood, or masonry floor coating. Primer coat for 100% solids epoxy floor coatings.</p>
<p>CURE SCHEDULE</p>	<p>Pot Life (1 gallon volume) 1.0 - 1.5 hours @ 75° F Tack Free (dry to touch) 5 - 8 hours Recoat or Topcoat 7 - 10 hours Light Foot Traffic 16 - 24 hours @ 75°F Full Cure (heavy traffic) 2-7 days @ 75°F</p>
<p>PHYSICAL PROPERTIES LIQUID FORM</p>	<p>COLOR See color chart (approx. twelve colors) MIX RATIO Colors - 4:1 by volume (8.55 lbs/1.75 lbs by weight) SHELF LIFE 1 year in unopened containers FLEXIBILITY No cracks on a 1/8" mandrel FINISH CHARACTERISTICS Satin gloss (40-80 at 60 degrees @ Erichsen glossmeter) ABRASION RESISTANCE Taber adrasor CS-17 calibre wheel with 1000 gram total load and 500cycles = 54 mg loss ADHESION 425 psi @ elcometer (concrete failure, no delamination) IMPACT RESISTANCE Gardner Impact, direct = 50 in. lb. (passed) VISCOSITY Mixed = 900-1200 cps (colors) (typical) SOLIDS BY WEIGHT Mixed = 53% (colors) (+, - 2%) SOLIDS BY VOLUME Mixed = 41% (colors) (+, - 2%) VOLATILE ORGANIC CONTENT Colors = 1.01 pounds per gallon (mixed) COVERAGE PER GALLON Approximately 200 square feet APPLICATION TEMPERATURE 55 - 90 degrees F with relative humidity below 75% PRIMER None required TOPCOAT Optional - Many products are suitable including multiple coats of this product. For added chemical resistance, color stability or UV stability, topcoat with Acrylic Poly UV Plus STORAGE DO NOT FREEZE. Store at room temperature (60 - 90°F). Low temperatures or temperature fluctuations may cause crystallization.</p>

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CHEMICAL RESISTANCE	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">REAGENT</th> <th style="text-align: left;">RATING</th> <th style="text-align: left;">REAGENT</th> <th style="text-align: left;">RATING</th> </tr> </thead> <tbody> <tr> <td>acetic acid 5%</td> <td>B</td> <td>50% sodium hydroxide</td> <td>B</td> </tr> <tr> <td>xylene</td> <td>B</td> <td>10% sulfuric acid</td> <td>B</td> </tr> <tr> <td>MEK</td> <td>A</td> <td>20% nitric acid</td> <td>A</td> </tr> <tr> <td>gasoline</td> <td>B</td> <td>ethylene glycol</td> <td>C</td> </tr> <tr> <td>10% sodium hydroxide</td> <td>C</td> <td></td> <td></td> </tr> </tbody> </table> <p>Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term immersion.</p>	REAGENT	RATING	REAGENT	RATING	acetic acid 5%	B	50% sodium hydroxide	B	xylene	B	10% sulfuric acid	B	MEK	A	20% nitric acid	A	gasoline	B	ethylene glycol	C	10% sodium hydroxide	C		
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SURFACE PREPARATION	<p>All dirt, foreign contaminants, oil contamination and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete has an appropriate vapor barrier. Place a 4" x 4" plastic sheet on the substrate and tape down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate does not show signs of eventual hydrostatic pressure problems.</p>																								
APPLICATION	<p>Thoroughly mix the two components using the mix ratio specified on the front of this sheet. Water Bond is an emulsion product and should be mixed well before, especially along the bottom and sides of the mixing container. Mix only an amount of material that can be used in the allotted pot life period. Improper mixing may result in product failure.</p> <p>The mixed epoxy can be applied by brush or roller. Maintain temperatures within the recommended ranges during the application and curing process. When the end of the pot life has been reached, you will find that the material becomes hard to apply and will actually tend to roll back up on the roller. Do not try to continue application when the coating has reached this step. Applications made at different times with differing environmental conditions, may show slight variations in gloss.</p> <p>If you opt to topcoat, you must first be sure that all of the solvents and water have evaporated from the coating during the coating process. Test by pressing on the coating with your thumb to verify that no fingerprint impression is left. If no impression is created, then the recoat or topcoat can be started. Before recoating or topcoating, check the coating to insure no epoxy blushes were developed (a whitish, greasy film or deglossing). A blush must be removed prior to topcoating or recoating using a standard detergent cleaner. The curing cycle requires the water in the product to completely evaporate away. High humidity, closed spaces and low temperature may greatly retard the evaporation.</p>																								
LIMITATIONS	<p>Surface cleaning - Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique.</p> <p>All new concrete must be cured for at least 30 days.</p> <p>Product color may vary from batch to batch.</p> <p>This product will yellow in the presence of UV light.</p> <p>Light or bright colors (white, safety colors, etc.) may require multiple coats.</p>																								
TRANSPORT	<p>Not regulated by USDOT, IATA & IMO.</p>																								

SAFETY: This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.

WARRANTY DISCLAIMER: The technical data given herein has been compiled for your help and guidance and is based upon our experience and knowledge. However, as we have no control over the use to which this information is put, no warranty, express or implied is intended or given except that these goods shall be of merchantable quality and buyer assumes all risk and liability for results obtained by the use of the materials covered in this data sheet, whether used singly or in combination with other products. We assume no responsibility whatsoever for coverage, performance or damages, including injuries resulting from use of this information or of products recommended herein. The sale and use of this product is governed by Progressive Products, Inc.'s Warranty Disclaimer and Return Policy.

Manufactured by:
NPI in PA

Distributed by:
Progressive Epoxy Polymers, Inc.
48 Wildwood Dr.
Pittsfield, NH 03263-3406

Tel: 603-435-7199
Fax: 603-435-7182
www.epoxyproducts.com
info@epoxyproducts.com