

HYDRO POLYMER (CLEAR & PIGMENTED)

Moisture-Mitigating Flexible High-Build Coating

Description: Two-component, high-solids, moisture-mitigating industrial floor coating for permanent protection with a smooth or anti-skid seamless surface. Typically used as a primer coat where moisture vapor transmission readings exceed tolerance and where odor-sensitive application is required.

Areas of Usage: When used in combination with the appropriate topcoat, for use in both interior or exterior installations including warehouses, manufacturing facilities (food preparation, food processing, and chemical processing plants), parking lots, chemical storage areas, laboratories, airplane hangars, washrooms, showers, garages, basements, walls, patios, walkways and handicap ramps.

Features / Advantages:	Pigmented or clear	Quick dry properties
	Moisture-mitigating system	Outstanding flow and leveling
	Water-proofing system	High strength and flexibility
	Low VOC	Superior adhesion
	Impermeable	Chemical and stain resistant
	Low odor	Molecularly bonding

Surface Preparation: Allow new concrete to cure for at least 30 days prior to preparation and coating. Test for moisture and remove dust, laitance, grease, curing compounds, preparation bond-inhibiting impregnations, waxes and other contaminants. Prepare concrete via mechanical abrasion (grinding, bead-blasting, diamond grinding) or chemical treatment (acid washing followed by alkali neutralization).

Technical Data: Note: Data / results may differ due to statistical variations, mixing methods and equipment, temperature, application methods, actual site conditions and curing conditions

Packaging: Part A and Part B Activator 5 gallon kit (54.0 lbs); 4 gallon Part A & 1 gallon Part B. Approximate weight; may vary depending upon pigment and fill level

Mixing Ratio: Four parts clear or colored resin (Part A) to one part catalyst (Part B), i.e., 4:1 ratio by volume; the mixture may be diluted with solvent. Pigments may be added for custom color applications

Application: Polyester brush and 9", 14" or 18" rollers with microfiber nap

Average Dry Time at 77°F (25°C): Dry times vary depending upon weather conditions. **Cure to Tack-Free:** 4 - 6 hours; **Cure to Tack Form:** 1 - 2 hours; **Waiting Time Between Coats:** 12 - 24 hours (sand if >36 hours); **Full Cure:** 7 days. *Note: A 100% Solids Polymer may be applied over the Hydro Polymer within 2 - 4 hours; however, this only applies to the moisture-tolerant 100% Solids Polymer and does not apply to a Poly Hybrid or Poly 3000*

Resistance To: Moisture, stains, chemicals and abrasion (e.g., water, mold, mildew, salt, grease, oil and other petroleums, animal fat, feces, urine, bleach, solvents, chemical fumes, non-oxidizing acids, alkalis, alcohols)

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Reducing:	May be reduced with xylene or citrus solvent (or combinations thereof); consult local air district rules or regulations
Finish:	Low gloss
Colors:	Clear, White, Tumbleweed, Silver Grey, Mohave, Pebble Beach and mixtures thereof; custom colors available upon request
% Solids (Vol):	Average of 40% (depending on pigment)
% Solids (Wt):	Average of 50% (depending on pigment)
Pigment Type:	Chemical resistant
Vehicle Type:	Acrylic modified epoxy
Viscosity:	60 sec on Zahn 2
Physical Properties:	VOC Actual: 189 g/l; VOC Regulatory: 141 g/l mixed; Weight of Volatiles: 39.8%; Weight of Exempt: 38.9%; Volume of Exempt: 48.5%; Density: 1,258 g/l
Thickness:	Recommended installation of 10 mils wet per coat
Flexural Strength:	Not available
Compression Strength:	Not available
Pot Life:	Pot life applies to material poured immediately onto the substrate following preparation. Pot Life = 1 hour for 1 - 2 gallons at 77°F (25°C) and 50% relative humidity (RH). If ambient temperature is greater than 77°F and / or RH greater than 50%, pot life is dramatically shortened
Shelf Life:	12 months at 77°F (25°C) when Parts A and B are not combined

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Mixing: Pigmented and clear Hydro Polymers are two component systems: Part A and Part B (the activator). Mix Part A and Part B in a ratio of 4:1 as follows (do not mix until ready to use): thoroughly mix the pigmented Part A component separately, ensuring a uniform color. Then, add 4 parts Part A and 1 part Part B in a bucket and mix immediately. Always mix at a slow mixing speed to avoid introducing air into the mixture. After thoroughly mixing Parts A and B, a reducer may be added; if so, re-mix thoroughly.

Application Procedure: The pigmented and clear Hydro Polymer may be used in a variety of coating systems as a moisture-mitigating primer coat.

Handling and Storage: Store in a cool, dry, well ventilated area. Keep containers tightly closed.

• KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • INDUSTRIAL GRADE • HANDLING AND INSTALLATION MUST BE PERFORMED BY ECO-CORFLEX-CERTIFIED APPLICATORS ONLY •

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