

## HYDRO POLY (CLEAR)

Chemical Resistant, UV-Stable Moisture Mitigating Coating

**Description:** Moisture-mitigating urethane coating for interior or exterior odor-sensitive applications. Used to seal any substrate including exposed aggregate, concrete, flagstone, paver stone, wood, decorative or stamped concrete, painted surfaces, asphalt and previously sealed and coated surfaces

**Areas of Usage:** Warehouses, manufacturing facilities (food preparation, food processing, and chemical processing plants), parking lots, chemical storage areas, laboratories, airplane hangars, washrooms, showers, garages, basements, patios, walkways and handicap ramps. May be used as a topcoat to clearcoat or stain any substrate where extreme chemical resistance or UV protection are required.

<b>Features / Advantages:</b>	Clear	No re-sealing required
	Excellent chemical resistance	Stain, moisture and abrasion resistant
	Excellent gloss retention	Extreme scratch resistance
	UV stability	Anti-graffiti properties
	Low VOC / Zero HAPs	High strength and flexibility
	Molecularly bonding	Primarily used as a sealer or topcoat
	Moisture-mitigating system	Concrete cure and seal agent

**Surface Preparation (When Used as Topcoat):** 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) and follow with application of appropriate primer and / or color coat. Detailed procedures are outlined in SOP GFC-106, titled Concrete Preparation and as part of installation SOPs GFC-107 through GFC-115.

**Surface Preparation (When Used as a Sealer):** In all cases, remove dust, laitance, grease, rust or other contaminants. Where applicable, prepare concrete via mechanical abrasion (grinding), chemical treatment (acid washing), or soften with the applicable solvent. However, typical preparation involves neutralization with an alkali followed by a thorough rinse. Detailed procedures are outlined in SOP GFC-114, titled Miscellaneous Techniques I

**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:** **5-gallon kit** comprised of 4-gallon Part A (50.4 lbs) and 1-gallon Part B catalyst (9.3 lb) containers. **1.25-gallon kit** comprised of 1-gallon Part A (9.6 lbs) and 1 quart Part B catalyst (2.7 lbs) containers

**Mixing Ratio:** Four parts Part A to one part Part B Activator (i.e., 4:1 ratio); the mixture may be reduced

**Application:** The preferred method is to spray on clear Hydro Poly using a backpack pump sprayer. However, a polyester brush, 9", 14" or 18" roller with microfiber nap may also be used

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<b>Technical Data (Con't):</b>	<i>Data / results may differ due to statistical variations, mixing methods and equipment, temperature, application methods, actual site conditions and curing conditions</i>
Average Dry Time at 77°F (25°C):	Dry times vary depending upon weather conditions. <b>Cure to Tack-Free:</b> minimum 48 hours; <b>Waiting Time Between Coats:</b> immediately to 60 hours (if >60 hours, sanding is required); <b>Cure to Light Foot Traffic:</b> 48 hours; <b>Full Cure:</b> minimum of 7 days
Resistance To:	Moisture, stains, chemicals and abrasion (e.g., water, mold, mildew, salt, grease, oil spills (and other petroleums), animal fat, feces, urine, bleach, solvents including acetone, chemical fumes, non-oxidizing acids, alkalis, alcohols)
Reducing:	May be reduced with water only. Hydro Poly must never be reduced with any type of solvent
Finish:	Low gloss
Colors:	Clear; however, Hydro Poly may be tinted to produce any variety of stains using powdered pigments
% Solids (Vol):	Average of 51%
% Solids (Wt):	Average of 62%
Pigment Type:	Not applicable
Vehicle Type:	Modified acrylic
Viscosity:	55 - 60 seconds on Zahn 2 at 77°F (25°C)
Physical Properties:	VOC Actual: 30 g/l; VOC Regulatory: 67 g/l; Weight of Volatiles: 45.2%; Weight of Exempt: 40.6%; Volume of Exempt: 45.0%; Density: 1,114 g/l.
Thickness:	Recommended 2 - 3 mils DFT per application (preference is for multiple thin applications using the back-pack sprayer)
Tensile Strength:	Not available
Flexural Strength:	Not available
Compression Strength:	Not available
Pot Life:	Pot life pertains to material contained in the back-pack reservoir. Pot Life = 1 hour at 77°F (25°C); gradual thickening of product will occur
Shelf Life:	6 months at 77°F (25°C) when Parts A and B are not combined

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**Mixing:** Hydro Poly is a two component system: Part A and Part B (the activator). When ready to use, mix Part A and Part B in a ratio of 4:1 as follows: add four (4) parts Part A and one (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, water may be added as a reducer; if so, re-mix thoroughly. Finally, if polypropylene anti-skid is to be incorporated in the mixture, add the required quantity and re-mix (do not exceed 4 ounces propylene anti-skid per 1 - 1 ½ gallons of Hydro Poly). Note: If a backpack sprayer is being used to apply the Hydro Poly, do not incorporate the anti-skid in the mixture (the sprayer will clog); instead, apply the anti-skid as per SOP GFC-114, titled Miscellaneous Techniques I

**Application Procedure:** Clear Hydro Poly may be used in a variety of coating systems and is used as a topcoat or moisture-mitigating sealer / staining system. Step-by-step application procedures are provided in standard operating procedures (SOPs) GFC-107 through GFC-115. SOPs are on file with GFCFS.

**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 GFCFS-CERTIFIED APPLICATORS ONLY •**

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