



## ROCKHARD POLY

Rockhard POLY is a two-component, 83% solids, VOC compliant, low odor, polyaspartic that was developed for UV stable floor topcoats. It provides outstanding appearance, superior chemical, UV, and solvent resistance. It exhibits excellent physical properties. This system has been approved by the Canadian Food Inspection Agency (CFIA). Rockhard POLY also meets FDA and USDA requirements. Rockhard POLY UV stable polyaspartic top coat hold up to most battery acid spills.

\*Consult floor coating installer for warranty information.

### TECHNICAL DATA

Packaging litres / gal us		Color				
7.56 / 2	37.8 / 10	Part A	Part B	Mixture		
Recommended Thickness		Light Yellow	Clear	Light Yellow		
Primer : UCT-PU	8 mils / 200 ft <sup>2</sup> us gal	Shelf Life				
Topcoat on solid color: PACT 8000	8 mils / 200 ft <sup>2</sup> us gal	12 months in original unopened factory sealed containers. Keep away from extreme cold, heat, or moisture. Keep out of direct sunlight and away from fire hazards.				
Topcoat on vinyl flakes: PACT 8000	8 - 12mils / 133-200 ft <sup>2</sup> us gal					
Mix Ratio by volume						
A : B = 1 : 1						
<i>*Please note that the indicated mileage is calculated for flat surfaces. A porous or imperfect surface will require more material in order to cover the same mileage.</i>						
Pot life (150g)	Solids by weight %	Density (kg/litre)				
45 - 60 minutes 25°C	82	Part A	Part B	Mixture		
VOC (g/litre)	Recommended Thinner	1.05 – 1.07	1.11 – 1.13	1.08 – 1.10		
82.74	xylene	Solids by weight %				
Viscosity @ 255C (cps)	Part A	Part B	Mixture	Part A	Part B	Mixture
	200 - 300	80 - 100	125 - 175	92	65	82
Waiting time between coats						
Min / 4-6 hours – max / 24 hours						
Foot Traffic	12 – 24 hours					
Light Traffic	48 hours					
Chemical Resistance	72 hours					
<i>*Note: Times and data mentioned are based on laboratory conditions. Field results may vary and will be affected by changing ambient conditions, especially changes in temperature and relative humidity.</i>						

### PROPERTIES @ 23°C (73°F) 50% R.H.

Adhesion (concrete-primer) ASTM D4541	Water Absorption (%) ASTM D570
550 psi (substrate ruptures)	0.2
Hardness (Shore D) ASTM D2240	Tensile Strength (psi) ASTM D638
75 - 78	6500 - 7500
Compressive Strength ASTM D695	Elongation at break (%) ASTM D638
9500 psi	100
Abrasion Resistance, ASTM D4060 (CS17/1000 cycles/ 1000 g)	Flexibility, 1/8' Mandrel, ASTM D1737
30 mg loss	Pass
Water Vapor Transmission, ASTM E96 Water procedure B Film 0.01 cm (0.004")	Tear Strength (PLI), ASTM D2240
1 perm	350





## ROCKHARD POLY

**USAGE:**  
ROCKHARD POLY epoxy coating material is designed for concrete surfaces, including counter tops, flooring, bars, and tabletops as well as other hard surface types.

### **SURFACE TREATMENT**

The surface to be coated must be well primed. Remove dust, laitance, grease, oils, dirt, impregnating agents, foreign matter, any previous coatings, and disintegrated substances by mechanical means such as shot-blasting (BLASTRAC) or any other approved method to obtain an ICRI-CSP 3-4 profile. The compressive strength of the concrete must be at least 25 MPa (3625 lbs/in<sup>2</sup>) after 28 days and the tensile strength at least 1.5 MPa (218 lbs/in<sup>2</sup>).

### **MIXING**

The products must be conditioned at a temperature between 18 ° C (65 ° F) and 30 ° C (86 ° F). Pre-mixed color or clear (A): Mix the resin part (A) perfectly before pouring the hardener (part B) according to the indicated mixing ratio. Depending on product amount and size of mixing equipment, mix for 1 to 3 minutes at low speed (300 to 450 rpm). During mixing, scrape the walls and bottom of the container at least once with a trowel to obtain a homogeneous mixture. As the pot life is limited, prepare amount of desired product as required in order to avoid any loss. Part (A) when adding color pod: Incorporate a full colored container into the clear part (A), and then thoroughly mix until the color is uniform (one colored container pod per part A gallon) before pouring in the hardener (part B) according to the indicated mixing ratio. Depending on product amount and size of mixing equipment, mix for 1 to 3 minutes at low speed (300 to 450 rpm). During mixing, scrape the walls and bottom of the container at least once with a trowel to obtain a homogeneous mixture. As the pot life is limited, prepare amount of desired product as required in order to avoid any loss.

### **APPLICATION**

APPLICATION: Primer coat of Rockhard POLY

Apply the coating using a rubber squeegee and pass a roller to obtain a uniform coating. Apply evenly and avoid creating excess pools of material.

APPLICATION: Finish coat of Rockhard POLY

Apply the finish coat using a rubber squeegee and pass a roller to obtain a uniform coating. Apply evenly and avoid creating excess pools of material.

### **CLEANING**

Clean all application equipment with the recommended cleaner (SCT-0001). Once the product has hardened, it can only be removed by mechanical means. In case of skin contact, wash thoroughly with warm soapy water

### **MATERIAL TYPE**

A two component resinous epoxy coating material.





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### CHEMICAL RESISTANCE:

CHEMICAL	RESULTS (25°C)
Acetic Acid 100%	C
Acetone	C
Ammonium Hydroxide 50%	RC
Benzene	C
Brine Saturated H <sub>2</sub> O	R
Chlorinated H <sub>2</sub> O	R
Clorox (10%) H <sub>2</sub> O	R
Diesel Fuel	RC
Gasoline	RC
Gasoline/5% MTBE	RC
Gasoline/5% Methanol	RC
Hydrochloric Acid 20%	R
Hydrochloric Acid 10%	NR
Hydraulic Fluid (oil)	RC
Isopropyl Alcohol	R
Lactic Acid	RC
MEK	RC
Methanol	R
Methylene Chloride	C
Mineral Spirits	RC
Motor Oil	R
MTBE	C
Muriatic Acid 10%	R
NaCl/H <sub>2</sub> O 10%	R
Nitric Acid 20%	NR
Phosphoric Acid 10%	R
Phosphoric Acid 50%	NR
Potassium Hydroxide 10%	R
Potassium Hydroxide 20%	R, Dis
Propylene Carbonate	RC
Skydrol	C
Sodium Hydroxide 25%	R
Sodium Hydroxide 50%	R, Dis
Sodium Hypochlorite 10%	R
Sodium Bicarbonate	R
Stearic Acid	R
Sugar/H <sub>2</sub> O	R
Sulfuric Acid 10%	R
Sulfuric Acid >50%	RC
Toluene	R
1,1,1-Trichloroethane	C
Trisodium Phosphate	R
Vinegar/H <sub>2</sub> O 5%	R
H <sub>2</sub> O	R
H <sub>2</sub> O 14 days at 82°C	R
Xylene	RC

**R** = recommended/ little or no visible damage  
**RC** = recommended conditional/ some effect, swelling or discoloration  
**C** = Conditional/ Cracking-wash within one hour of spillage to avoid affects  
**NR** = Not recommended  
**Dis** = discolorative

**DISCLAIMER:** Included in this Polyaspartic/Polyurea Kit are 1 Part A and 1 Part B. Please carefully follow the instructions that apply to your specific application needs. Mix 1 Part A to 1 Part B during the installation of this kit.

