



PolyVers International
 87 Shawnee Avenue
 Kansas City, KS 66105
 (913) 321-9000
 (913) 321-1490 (fax)

Material Processing & Handling Information

Material: Aliphatic ClearCoat
Material Type: Aliphatic Polyaspartic Polyurea
Application: High Gloss Color Stable Finish Coating - Flooring
Application Process: Spray or Floor Coater

Process Equipment:	Tools	Part Number
Floor Coaters:	Padco™ Big Foot Professional Floor Coater	6200 Series of Lightweight or Heavyweight Coaters – 12" to 30", 1 pack Nylfoam Floor Coater Refills – 6000 Series, 12" to 30", 6 pack
Airless:	7/8 hp min. (Graco Ultra 395)	0.017 to 0.019 tip
Cup Gun or Pressure Pot:	Must have air dryer	
Process Temperature:	Ambient	
Mix Ratio:	1:2 – (1 Part 'A', 2 Part 'B')	
Pot Life:	10 -- 12 minutes	
Tack Free:	75 -- 90 minutes	
Light Traffic:	3 hours	
Full Cure:	7 Days	

Mix Instructions: Aliphatic ClearCoat is prepackaged in separate containers with adequate space in the Part 'B' container to accept the full contents of the Part 'A' container and provided color pigment.

Full Batch Mix: Mix part 'A' with part 'B' with 5 gal. stir stick by hand until thoroughly mixed. If required, 5% acetone by volume may be added to the mixed 'A' & 'B'.

If color is desired, add color pigment to the diluted 'A' & 'B' mixture until color is homogeneous. Do not drill mix.

Partial Batch Mix: Maintaining 1 part 'A' to 2 parts 'B' ratio, mix desired quantities of 'A' & 'B' thoroughly in a separate container with 5 gal. stir stick by hand. If required, 5% acetone by volume may be added to the mixed 'A' & 'B'. If color is desired, add color pigment in same proportion as 'A' & 'B' mixture.

Example: Color pigment packs are 3 lbs. each, if 25% of each 'A' & 'B' portions are used, only add .75 lb. of color pigment pack. Do not drill mix.

Special care should be taken to insure little or no air is entrained into material during the mixing process.

Moisture Content:	Calcium chloride test: 3 lb./24 hr./1,000 ft ² Tramex concrete moisture meter: 5% maximum.		
Application Temperature:	20°F and higher. Aliphatic ClearCoat will cure at temperatures down to 20°F. However, cure times will be extended. Do not apply to frozen concrete substrates with high moisture content, as this will affect coating adhesion and long-term performance.		
Surface Prep:	Abrasive blast per ICRI Technical Guideline No. 03732 or SSPC SP13. Achieve a concrete surface profile of ICRI CSP-3 to CSP-5.		
Surface contaminates:	Check for soluble salts on surfaces to be coated. Test with Chlor*Test. If amount of soluble salts exceeds recommended limits, treat with Chlor*Rid. Repeat process until acceptable limits are reached. Maximum amounts of soluble salts (micrograms per square centimeter): Chlorides - 3 immersion, 7 non-immersion Nitrates - 5 immersion, 10 non-immersion Sulfates - 10 immersion, 20 non-immersion		
Adhesion Testing:	Adhesion to concrete: Minimum 150 psi.		
Application:	Apply Aliphatic ClearCoat in one coat using Floor Coater from Padco. Determine starting location for coating work. Pour ribbon of mixed material onto surface to be coated. Using applicator, spread coating slowly keeping the applicator at a 30 to 45 degree angle. Special care should be taken to prevent excess material from flowing onto the finished area. At the end of each pass, reverse the applicator angle and repeat the same process in the opposite direction. Cut-in of corners and hard to reach areas may be done with the use of a 4" to 6" wide tight nap roller.		
Application Rates:	10 mils; approximately 160 square feet per gallon depending on substrate porosity and surface profile. Maximum overcoat time is 4 hours. Areas to be over coated that exceed the recoat limit should be cleaned and wiped with PV Dzolv at a rate of 500-600 square feet per gallon to reactivate the coating surface. PV TackCoat may also be used.		
	Storage Temp.	Storage	Special Handling
'A' Side	50°F min 70°F optimum	Keep dry. Keep from freezing. Store in covered temperature controlled environment if possible.	Keep containers closed and protected from atmospheric contamination.
'B' Side	50°F min 70°F optimum	Keep dry. Keep from freezing. Store in covered temperature controlled environment if possible.	Keep containers closed and protected from atmospheric contamination.
	Safety:	Please consult product MSDS for full details. Safety glasses, rubber gloves, protective clothing, organic vapor or fresh air respirator.	