

TerraCLEAR™ Polyaspartic

93% Solids VOC Compliant, Aliphatic Polyaspartic Polyurea designed for interior and exterior floor coating applications. TerraClear can be used as a UV stable topcoat for solid color, partial flake and full flake floors.

- Cures from -10°F to 120°F
- 100% UV Stable
- Easy 1A:1B Ratio
- Extended pot life for better workability
- Fast recoat times 1-2 hours.
- Full cure in 24 hours

PRODUCT PROPERTIES

• Tensile Strength	ASTM D412	6650
• Compressive Strength	ASTM D695	9500
*with Chip	ASTM D695	13000
• Elongation	ASTM D412	115
• Tear Strength	ASTM D2240	350
• Hardness Shore D	ASTM D2240	77
• Flexibility. 1/8 Mandrel	ASTM D1737	Pass
• Falling Sand Abrasion Res.	ASTM D968	30
• Tabor Abrasion mg Loss	ASTM D4060	28
• CS17-Wheel	N/A	15mg/1k cycles
• Viscosity B Side	N/A	CPS 1400-1500
• Viscosity A Side	N/A	CPS 700-800
• Gloss	ASTM D523	90+
• VOC Content	ASTM D648	<80 g/l

ADHESION RESULTS

Concrete - no primer	Concrete Failure	>500	psi
Concrete - w/ primer	Concrete Failure	>550	psi
Steel - w/ primer	Primer Failure	>2000	psi
Wood - no primer	Wood/Failure	>400	psi

PRODUCT CURE TIMES

72°F, 54% Humidity:
 Surface dry in 60 - 120 minutes
 Walkability in 1 - 3hours
 Return to full service in 24 - 36 hours

CONFIGURATIONS

Sold in 2-gallon and 10-gallon kits.
 The product is clear and can be tinted.

CLEANING

Clean tools with Acetone immediately after use.

STORAGE

Store up to 12 months in factory sealed buckets, away from direct sunlight at 45°F & 90° at all times.

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RECOMMENDED COVERAGE

7Based on 1600 sqft per gallon at 1 mil thickness - will depending on the decorative materials underneath.

Basecoat	225-275 sf/gal	@6-8 mil DFT
Over solid color	250-300 sf/gal	@ 5-6 mil DFT
Over Quartz	100-125 sf/gal	@ 12-16 mil DFT
Over Chip	150-180 sf/gal	@ 8-10 mil DFT

SUBSTRATE PREPARATION

New concrete requires 28-day cure w/ CSP 2-3. Existing concrete is prepared by removing all paint, adhesive, oil, dust, debris, etc. and can be ground using diamond grinding or shot blasting. Do not apply to wet substrates; check moisture levels prior to application. Use TerraMEND or Armor Patch for crack repair before beginning application process.

CHEMICAL RESISTANCE

Acetic Acid 100%	C
Acetone	C
Ammonium Hydroxide 50%	RC
Benzene	C
Brine saturated H ₂ O	R
Chlorinated H ₂ O	R
Clorox(10%) H ₂ O	R

APPLICATION INFORMATION

Thoroughly mix both A side and B side components separately using separate paddle mixers for at least 2 minutes. Next, combine equal parts in a calibrated mixing container and blend together with a paddle mixer for at least 2 minutes at low speed. Never mix more than 1-2 gallons or more than can be applied in a 20-25 minute window. This product may be reduced with Acetone up to 10% total mixed volume. High temps and humidity will reduce pot life and working time. DO NOT introduce air when mixing.

This product adheres well to: concrete, epoxy, polyurea, dry decorative media when properly prepared.

CHEMICAL RESISTANCE CHART KEY

R = Recommended/little or no visible damage
 RC = Recommended conditionally/some effect, swelling, or discoloration
 C = Conditional/Cracking-wash within one hour of spillage to avoid effects
 NR = Not recommended
 Dis = Discolorative



EPOXY PIXELS

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Chemical Resistance cont.

Diesel fuel RC	RC
Gasoline RC	RC
Gasoline/5% MTBE	RC
Gasoline/5% Methanol	RC
Hydrochloric Acid 20%	R
Hydrofluoric Acid 10%	NR
Hydraulic fluid (oil)	RC
Isopropyl Alcohol	R
Lactic Acid	RC
MEK	RC
Methanol	RC
Methylene Chloride	R
Mineral Spirits	C
Motor Oil	RC
MTBE	R
Muriatic Acid 10%	C
NaCl/H2O 10%	R
Nitric Acid 20%	R
Phosphoric Acid 10%	NR
Phosphoric Acid 50%	R
Potassium Hydroxide 10%	NR
Potassium Hydroxide 20%	R
Propylene Carbonate	R, Dis
Skydrol	

Chemical Resistance cont.

Sodium Hydroxide 25%	R, Dis
Sodium Hydroxide 50%	R
Sodium Hypchlorite 10%	R
Sodium Bicarbonate	R
Stearic Acid	R
Sugar/H2O	R
Sulfuric Acid 10%	RC
Sulfuric Acid >50%	R
Toluene	C
1,1,1-Trichlorethane	R
Trisodium Phosphate	R
Vinegar/H2O 5%	RC
Xylene	

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SAFETY

Polyaspartic polyurea products contain chemical ingredients that are considered hazardous. Read the container label warning and Safety Data Sheet prior to use. Valence Supply recommends the use of nitrile gloves, safety glasses, and all protective equipment when mixing and applying.

WARRANTY

The technical data and any other printed information furnished by Valence Supply is true and accurate to the best of our knowledge. This product conforms to in-house quality control procedures and should be considered free of defects. Due to the wide range of applications for this product, it is impossible to assume responsibility for any errors in regard to application, storage conditions, coverage, workmanship, over-spray, or injuries resulting from the use of this product. Liability, if any, for this product will be in the form of replacement materials provided the product was stored correctly and applied during the shelf life. The possibility exists to warrant this product on a specific application basis under specific written application instructions from the technical data and any other printed information furnished by Valence Supply.