

CXT- 395 Polyaspartic Clear Coating

Technical Data Sheet CXT-395

FOR PROFESSIONAL USE ONLY

This product is intended for use by professional installers. For best project results read all the applicable product information including SDS and Technical Data Sheet before using this product.

Product Description

CXT-395 is a two component, 85% solids polyaspartic aliphatic urethane clear coating. CXT-395 has excellent chemical resistance, hardness, abrasion resistance, UV stability and has an excellent clear garner color. CXT-395 has exceptionally quick tack free time of 1 – 2 hours for foot traffic.

Product Application

- Topcoat for Color Quartz, Vinyl Decorative Flooring and Industrial flooring
- Topcoat for Epoxy Basecoat
- Broadcast Systems (Quartz or Flake)
- Finish Coats

Benefits

- Excellent UV Light Protection
- Rapid Cure
- Excellent Wear Resistance
- Excellent Impact and Abrasion Resistance
- Good Stain and Chemical Resistance

Packaging/Coverage

3 Gallon Kit

Coverage is 200 – 800 SF per Gallon (2 – 8 mils wet)

Priming

A suitable primer should be used before applying this product. However, whether a primer is used or not, it is advisable to apply a test patch prior to using this product to determine if the adhesion characteristics are suitable for the service environment.

Color

Clear – Gardner Color 1

Storage/Shelf Life

Materials should be stored at 60°F – 90°F and out of direct sunlight. Low temperature or temperature fluctuations may cause crystallization. Shelf life is 6 months in unopened containers.

Surface Preparation

Proper surface preparation is critical. The most suitable preparation is shot blast to remove all laitance and provide a suitable profile. All dirt, foreign contaminants, oil and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete is dry; this can be done by placing a 4' x 4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause disbonding.

Mixing Directions

Mix Part A and Part B together with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free. After mixing transfer to another pail and mix again. Apply on the properly prepared surface. This product has a short usable pot life of about 15 minutes, which is substantially shorter than the actual gel time for the product. Applying the product beyond the usable pot life can result in surface irregularities.

Application Instructions

Apply the material onto the floor with a brush or roller to the manufacturer's recommended coverage. This product is intended as a thin build topcoat. Relative humidity can have a dramatic influence on the curing characteristics. The product will dry quicker and have less working time when the relative humidity is higher, while a lower relative humidity will lengthen the dry time and working. Application temperature should be 50 to 90°F with relative humidity below 85%.

Recoat or Top coating: This material can be applied in multiple coats. If you opt to recoat this product you must first be sure that the coating has tacked off before recoating. Always remember that colder temperatures will require more cure time for the product before recoating

Safety

Please read SDS before using this product.

Cleanup

Use Xylol.

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Physical Properties

Solids by Weight: 85% (+/- 3%)

Solids by Volume: 81% (+/- 3%)

VOC's: <159 g/l

Finish Characteristics: Gloss (>70 at 60°)

Density (lbs./gallon)	Mixing Ratio by Volume
Part A: 8.59	Part A:Part B – 2:1
Part B: 9.42	
Mixed A & B: 9.00	

Set Times	70°F. (70° Relative Humidity)
Pot Life (150 gram mass)	30 – 60 Minutes (actual usable working time 15-20 minutes)
Foot Traffic	6 – 8 Hours
Tack Free (dry to touch)	1 – 3 Hours
Recoat or Topcoat	2 – 4 Hours
Light Foot Traffic	3 – 5 Hours
Heavy Traffic	24 – 48 Hours

Test	Result
ASTM D-695 Compressive Strength	12,000 psi
ASTM D-638 Tensile Strength	3,900 psi
Ultimate Elongation	2.4%
Hardness – Shore D	80
Taber Abrasion CS-17 calibrase wheel with 1000 gram total load and 500 cycles	21 mg loss
Viscosity	<1000 cps typical

Chemical Resistance

Chemical	Rating	Chemical	Rating
1,1,1 trichloroethane	B	Ethyl Alcohol	B
10% HCl (aq)	C	MEK	A
10% Sulfuric Acid	C	Methanol	B
5% Acetic Acid	C	Skydrol	C
50% Sodium Hydroxide	E	Xylene	C

Rating Key: A – Not recommended, B- 2 Hours – splash/spill C – 8 Hours – splash/spill, D-72 Hours – Immersion, E – Long Term Immersion.

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Limitations/Precautions

- Due to quick cure rate and dry time, it is suggested that the user obtain a sample and thoroughly evaluate the product before using.
- Color stability may be affected by environmental conditions like high humidity/chemical exposure.
- Exposure to some types of lighting, such as sodium vapor lights may cause discolorations.
- Restrict floor to light traffic and non-harsh chemicals until the coating is fully cured.
- Clarity of color may vary from batch to batch.
- Substrate temperature must be 5°F above the dew point.
- Too thick of an application may result in surface imperfections, bubbly generation or product failure.
- Always apply a test patch to determine product suitability and adhesion performance for your proposed application method and procedures.
- All new concrete must be cured for at least 30 days prior to application.
- Do not expose this product to water until fully cured.
- Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

Warranty

Corvixx Polymers Corporation warrants our products to be free of manufacturing defects. Liability for products proven defective is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Corvixx Polymers Corporation. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CORVIXX POLYMERS CORPORATION, EXPRESSED OR IMPLIED.

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