



Resin-X Fast: The Future of Resin

Product Description & Tech Data :

Resin-X is a two component 100% solids High performance moisture cure urathane developed with the needs of the custom/production glass shop in mind. Fast cure times, absolutely no yellowing, Dynamic flex and high compressive strength yields a product that feels not like a polyester or epoxy but a hybrid of its own. Such qualities as water submersion with in 24 hours make for a product that leaves the shop fast and gets into the water quick without the use of U.V. lights or post curing rooms. Resin-X should only be tested by the most experienced laminators in your shop. A realistic working time is 8-15 minutes in most cases. Resin-X comes packaged 100% voc compliant however small percentages of solvent can be added to lengthen and shorten dry times or lower the viscosity. C3D industries is currently hard at work to achieve different versions of this product that have both longer working times and lower viscosity with out the aid of any solvent. It should be noted that Resin-X cures faster in humid environments and higher temps. It also cures slower in larger masses. Resin-X is made from such bi-products as corn wheat and potatoes making in it more sustainable than traditional epoxies.

SOLIDS BY WEIGHT:

100% (+/- 1%)

SOLIDS BY VOLUME:

100% (+/-1%)

VOLATILE ORGANIC CONTENT:

Zero pounds per gallon

COLORS AVAILABLE:

Clear- gardner color 1-2

PACKAGING INFORMATION:

1.2 gallon kit (net approximately)

2.45 gallon kits (net approximately)

MIX RATIO:

**6.3 pounds part A to 4.7 pounds
part B (approximately 1.2 gallon
mixed per this kit size)**

SHELF LIFE:

6 months in unopened containers

FINISH CHARACTERISTICS:

**Gloss (>75 at 60 degrees @ Erichsen
glossmeter)**

COMPRESSIVE STRENGTH:

12,000 psi @ ASTM D695

TENSILE STRENGTH:

3,900 psi @ ASTM D638

ULTIMATE ELONGATION:

2.4%

HARDNESS:

Shore D= 80

ABRASION RESISTANCE:

**Taber abraser CS-17 calibre
wheel with 1000 gram total load
and 500 cycles= 21 mg loss**

VISCOSITY:

Mixed= 1,000-2,000 cps (typical)

DOT CLASSIFICATIONS:

Part A “not regulated”

Part B “not regulated”

CURE SCHEDULE: (70°F)

pot life -(1 gallon volume)....

20-40 minutes

tack free (dry to touch)....

1-2 hours

recoat or topcoat..... 2-3 hours

light foot traffic... -4 hours

full cure (heavy traffic)... 24-48 hours

APPLICATION TEMPERATURE:

50-90 degrees F with relative humidity below 85% for best results

CHEMICAL RESISTANCE:

REAGENT

RATING

xylene	C
1,1,1 trichloroethane	B
MEK	A
methanol	B
ethyl alcohol	B
skydrol	C
50% sodium hydroxide	E
10% sulfuric acid	C
10% HC1 (aq)	C
5% acetic acid	C

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion.

NOTE: extensive chemical resistance information is available through your sales representative.

LIMITATIONS:

*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.

*Clarity of color may vary from batch to batch.

*Substrate temperature must be 5°F above dew point.

*Too thick of an application may result in surface imperfections or bubble generation.

*Always apply a test patch to determine product suitability and adhesion performance for your proposed application method and procedures.

*Do not expose this product to water until fully cured.

*See reverse side for application instructions.

*Physical properties are typical values and not specifications.

For further questions

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