

**DESCRIPTION**

SPEEDLINER CRX is a high performance urethane elastomeric texture coating, specifically designed for environments that require resistance to acid and alkali  
When fully cured, SPEEDLINER CRX forms an extremely tough, abrasive resistant rubber coating, especially well suited for applications requiring protection from impact, abrasion, or corrosion on metal, wood or concrete surfaces.  
SPEEDLINER CRX textured surfaces provide an excellent non-slip surface in both wet and dry environment.

**USES**

Resistance to chlorine  
Abrasion resistance  
Waterproofing  
Non-slip surfaces

**FEATURES**

Easy application: using a simple Hopper gun or for higher volume applications, a pressure pot and Binks 2001 spray gun.  
SPEEDLINER CRX does not require a humidity controlled environment for application.  
U.V. stable - can be applied in almost any color.  
Convenient pre-measured one gallon kits.

**PHYSICAL PROPERTIES**

Tensile strength	ASTM D-412, Die-C	2700 psi
Tear strength	ASTM D-624, Die-C	356 (lbs/in.)
Elongation	ASTM D-412, Die-C	535 %
Hardness,	ASTM D-2240-85	75-80 Shore A
% Solids by volume		65.25%
% Solids by weight		66.68%

**ABRASION  
RESISTANCE**

SPEEDLINER CRX has excellent abrasion resistance and will out wear many materials when subjected to impingement or slurry abrasion.

Abrasion Resistance                      ASTM D 3389-94                      4.4 mg  
(Taber Model 502 /C-17 Wheel with CRX gram load)                      Abrasion loss  
per 1000 revolutions

**HIGH OR LOW  
TEMPERATURE  
PROPERTIES**

SPEEDLINER CRX has been successful at temperatures up to 180 F Under wet or humid conditions at elevated temperatures SPEEDLINER CRX is superior to most other urethanes. SPEEDLINER CRX it still remains flexible at temperatures as low as -72 F ASTM D 746.

**CHEMICAL  
RESISTANCE**

SPEEDLINER CRX has excellent chemical resistance . Resistance to most water Acid and Alkali at room temperature is excellent, but resistance to organic solvents is generally poor. The table below gives an indication of resistance to some chemicals; however, users should conduct their own tests.

Chlorinated Water . . . . .	E	Sea Water . . . . .	E
Nitric Acid, 5% . . . . .	E	Ammonia . . . . .	E
Hydrochloric Acid, 35%. . .	E	Methyl Ethyl Ketone .	P
Phosphoric Acid, 10%. . .	E	Toluene.. . . . .	P
Sodium Hydroxide, 20% .	E	Kerosene . . . . .	P
Sulfuric Acid            30%	E	Gasoline . . . . .	P
Clorox                      50%	E	Diesel.....	P

G - Good            E - Excellent            F - Fair            P - Poor

# SPEEDLINER CRX

11/09

## CURE TIMES.

The time required for SPEEDLINER CRX to cure is dependent upon temperature. A 75% cure is generally sufficient for mild abrasion and ... immersion.

The cure times shown below are for a 100 mil thick coating; cure times should be increased by 50% for a 250 mil thick coating.

	<u>50 F</u>	<u>75 F</u>	<u>120 F</u>
75% Cure	6 days	3 days	1 day
95% Cure	15 days	7 days	3 days

## Application

**SURFACE PREPARATION:** SPEEDLINER CRX should only be applied to surfaces that have been properly prepared. Most common materials, such as steel, aluminum, fiber-glass, rubber, urethane, brick, concrete and wood can be coated with SPEEDLINER CRX

To obtain maximum adhesion most substrates must be abraded, grit-blasted, or etched before applying Primer 450 and Speedliner CRX. New metal surfaces should be grit-blasted to SSPC-SP-10

“Near White Metal Blast” and should exhibit a 2 to 4 mil surface profile.

Metallic substrates must always be dry and primed with Prime 450 before applying SPEEDLINER CRX.

Coverage rate per gallon at 100 sq ft.: 10.70 dry mils per sq ft.

## STORAGE AND SHELF LIFE

SPEEDLINER CRX components are shipped from the factory in sealed and purged with dry nitrogen. The containers should be kept tightly sealed and stored in a cool and dry area that is protected from direct sunlight and moisture. Storage temperatures should not exceed 80 F. The shelf life of factory sealed containers stored under these conditions is one year.

Containers that have been opened should be resealed immediately after material has been removed in order to prevent moisture contamination and solvent evaporation. Resin component containers should be purged with dry nitrogen if the contents are not used within 24 hours after opening.

The resin portion of SPEEDLINER CRX will crystallize when exposed to temperatures below 40 F and the curative portion may crystallize when exposed to temperatures below 20 F. This does not harm the components; however, the resin component should be warmed to 90 - 100 F and the curative component to room temperature and each component mixed well before using. The components should not be overheated and should be cooled to room temperature before mixing together. After long term storage it is a good policy to stir each component before adding them together.

**CLEAN UP**

Equipment must be cleaned immediately after use to prevent build up of cured urethane on internal parts of equipment. Solvents, such as toluene or mineral spirits work well for cleaning spray equipment. As soon as spraying is completed, solvent should be pumped through the pump, hose and spray gun until solvent comes out clear.

...  
.....  
....  
.....  
The containers will then contain non-hazardous cured urethane.

**REPAIR OF  
CURED  
COATING**

SPEEDLINER CRX may be repaired by priming surface with Primer 450 and applying more SPEEDLINER CRX.

**SAFETY**

Vapors from SPEEDLINER CRX contain isocyanates and solvents. Forced ventilation must be used for all indoor applications, in closed vessels or downstream from spray gun, fresh air breathing equipment should be worn. Chemical cartridge masks suitable for organic vapors may be used under some conditions with adequate ventilation. Protective clothing should be worn at all times. Both resin and curative components contain flammable solvents and should be protected from sparks and open flames.

Avoid contact of components with skin and clothing as both resin and curative can cause skin and eye irritation. In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. If swallowed, DO NOT induce vomiting. Call a physician at once. Keep out of reach of children.

# **SPEEDLINER CRX**

11/09

Page 5 of 5

## **Speedliner CRX Mixing Instructions High Profile Non-Skid**

### **DIRECTIONS:**

1. Shake the pigment tube for about 15 to 20 second then pour all of the pigment into the Component B (one quart container) screw on the containers cap and shake can for about 30 seconds to evenly mix the in the pigment
2. Pour all of the Component B/pigment mixture into the Component A ( 1 gallon can) and immediately mix with electric drill and “jiffy mixer”
3. Mix for 1 minute and pour contents into the Hopper gun’s plastic reservoir
4. Allow mixture to fully gel, about 3 to 3 minutes
5. Spray with Hopper gun using the smallest nozzle provided with 100 PSI of dry air pressure
- 6 Apply from about waist height. Evenly distribute the coating to the desired thickness .
7. Allow the applied coating to dry for about 10 minutes then apply a light coating to even out the texture on the application surface.

\* Do not apply Speedliner CRX in direct sunlight of at temperature below 60 F.

### **NOTE:**

Speedliner CRX can be made into a greatly enhanced non-skid high profile coating for walk and work areas by simply adding sand , aluminum oxide or rubber crumb. Industrial Polymer offer all of these options in premeasured containers to mix with one gallon kits.