

## Chemguard 65

Chemguard 65 is a Shore D 70 polyurea hybrid coating. One of the unique properties of this coating is a fast gel time, with very fast viscosity build to minimize runs and sags.

### APPLICATIONS

- Foam Strengthening
- Tank Linings

### PRODUCT ADVANTAGES

- No VOC's
- Very fast gel time

### CHEMICAL RESISTANCE

A: *Not Recommended*  
B: *2 Hour Term Splash Spill*  
C: *8 Hour Term Splash Spill*  
D: *72 Hour Immersion*  
E: *Long Term Immersion*

10% HCl (aq)	D
10% Sodium Hydroxide	D
10% Sulfuric Acid	D
20% Nitric acid	A
Acetone	B
DI Water	E
MEK	B
Methanol	D
Toluene	B
Xylene	B

\*Values given are not intended to be used in specific preparation

### Component Properties

Color - ISO Pale yellow

Color - POL Gray/Black

Viscosity - ASTM D-2196 - 74°F, ISO 300 cps

Viscosity - ASTM D-2196 - 74°F, POL 510 cps

Weight per gallon - ISO 9.8

Weight per gallon - POL 8.7

### Reactivity Profile

Ratio by Weight - ISO:POL 1.2 : 1.00

Ratio by Volume - ISO:POL 1:1

Gel Time - 100 gram sample, 74°F 10 - 15 Seconds

Sprayed Gel Time 5 Seconds

Sprayed Tack Free Time 8 Seconds

### Typical Physical Properties

Hardness - ASTM D2240 - Shore D 65 - 70 Shore D

Tear Strength - ASTM D624, Die C 460 pli

Tensile Strength - ASTM D412 3000 psi

Elongation - ASTM D412 70 %

### RECOMMENDED HANDLING INSTRUCTIONS

Chemguard 65 is a very fast set polymeric material designed to be spray applied from high pressure plural component heated equipment. It cannot be hand mixed for application. Typical equipment for application includes: Graco E-30, EXP, H-XP, H-20/35, H-40 or equivalent sprayed through a Fusion MP or AP, GX-7, Probler P-2 or equivalent gun.

Minimum recommended settings are 1800 psi for pressure and 145° F for all temperatures. Please contact Isotec for any other machine or application questions. Protect ISO and POL side from moisture. If the ISO side material is exposed to moisture, including moisture from the air, it will release CO<sup>2</sup> gas. If placed in a sealed container, this gas can cause a dangerous buildup of pressure potentially resulting in injury or death. If the POL side is exposed to excess moisture and then applied it may cause weak or foamed material to be applied.

Multiple passes when spraying is recommended to minimize heat build.

When finishing application of coating the next day:

Lightly abrade the sprayed surface to remove gloss. Remove dust and clean surface with a solvent such as acetone or isopropyl alcohol. Allow solvent to dry for 30 minutes before spraying the coating. Do not spray past the area that has been prepared.

## STORAGE

Protect ISO and POL side from moisture. If the ISO side material is exposed to moisture, including moisture from the air, it will release CO<sub>2</sub> gas. If placed in a sealed container, this gas can cause a dangerous buildup of pressure potentially resulting in injury or death. If the POL side is exposed to excess moisture and then applied it may cause weak or foamed material to be applied.

## SAFETY

- Refer to the product SDS for all relevant safety information.
- Use only in well-ventilated areas.
- Wear chemically resistant rubber gloves, safety glasses, and an apron.
- Avoid prolonged or repeated contact with skin.
- In case of skin contact, wipe affected area with isopropyl alcohol, followed by soap and water.
- In case of eye contact, flush eyes with water for 15 minutes and consult a physician.
- If swallowed or comes into contact with eyes, seek medical attention immediately.
- Always mix/roll POL side prior to use to ensure a homogenous product.

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- THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OR MERCHANTABILITY OR FOR ANY PARTICULAR PURPOSE. While all data presented in Seller's technical data sheet is based on the best information available to Seller and believed correct, such data is not to be construed as a warranty that the product will conform to such specifications. Such technical data sheets are subject to change without notice. Reported laboratory test results of fire redundancy in no way relates to the actual performance under fire conditions. Since all urethane systems are organic, they will burn.
- Reported laboratory test results of the color stability in no way relates to the actual performance upon exposure to light sources. Since all aromatic urethanes experience color degradation upon ultraviolet light exposure, Seller shall not be liable for any damages resulting from ultraviolet light color degradation of any aromatic urethane systems manufactured or sold by Seller.
- The liability of the Seller shall not exceed the purchase price and the Buyer shall not be entitled to nor the Seller be liable for any consequential, incidental, indirect or special damages resulting in any manner from the furnishing of the product.

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