

PRECIDIUM™ 550D

DESCRIPTION

PRECIDIUM™ 550D is a 100% solids high performance two-component polyurea elastomer that can be used for heavy-duty industrial applications. It has excellent resistance to a wide range of chemicals, coupled with superior physical properties.

PRECIDIUM™ 550D is suited to industrial applications including secondary and primary containment applications.

PRECIDIUM™ 550D is a fast set system intended for use with plural component spray equipment with a mix ratio of 1 to 1.

FEATURES

- Excellent abrasion resistance even at high temperatures.
- Highly resistant to impact over wide temperature range.
- Resistant to cracking under high flex conditions.
- Remains flexible at low temperature.
- Resistant to water and a wide range of chemicals.
- Can be tinted to a wide range of colors.

PROPERTIES OF CURED PRODUCT

Density	1.10 g/ml
Service Temperature	-50° C (-58° F) to 100° C (212° F).
Shore Hardness	~40D to 55D
Elongation	211%
Tensile Strength	2464 psi
Tear Strength	302 lb/in
Vapour Permeance	0.025
Taber Abrasion:	Mass loss after 1000 cycles
	CS-17 Wheel: 10 mg
	H-18 Wheel: 140 mg

Sprayed with a Graco E-10 proportioner using a Fusion AP Gun with AR4242 mix module. Results are for specific testing requirements, other conditions and equipment may result in different physical properties.

INSTRUCTIONS

For application use a regulated high-pressure proportioner (1:1) and spray gun system capable of producing 1600-2500 psi. Thoroughly mix RESIN for 45 to 60 minutes prior to use. Preheating RESIN and ISO to approximately 80°F will improve performance.

Recommended Heater Settings:

Line/Pre-Heaters 140-150° F

Hose Heat 140-150° F

Apply only to properly prepared substrate. Apply first coat at less than 10 mils and allow to become tack free before continuing. Apply following coats at 20 mils per coat and allow surface to become tack free before application of subsequent coats. Spray with uniform motion and allow 50 to 75% overlap.

STORAGE

Store in a cool and dry place for product integrity. Store in tightly sealed containers to protect from moisture and foreign materials.

SAFETY AND HANDLING

An SDS is available from Quantum Chemical.

AVAILABILITY

PRECIDIUM™ 550D is packaged in 52.9 US Gallon drums.