

PRECIDIUM™ 550D Polyurea

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 130°C (266°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.

PRODUCT SAFETY

An SDS is available upon request from Quantum Chemical.

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 Heat 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.

AVAILABILITY

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

OTHER

Recommendations for the use of our products are based on the specifications of this technical data and the test results published herein. Manufacturer and seller are not responsible for results where the product is used under any conditions outside those specified or beyond our control. The purchaser of this product must rely on his own judgement in determining suitability for his purpose, and in applying directions as to handling and use specified herein. Quantum Chemical makes no warranty, expressed or implied, except that if this product proves on inspection to be defective, Quantum Chemical will replace such quantity of the product proven to be defective or refund the purchase price of defective product. Labour costs and other consequential damages are hereby excluded. No representative or purported agent of Quantum Chemical has the authority to change this warranty. The information contained herein is subject to change without notice. If in doubt, contact your Quantum Chemical Representative for current Technical Data Sheets (TDS).