

PRECIDIUM™ 950D

DESCRIPTION

PRECIDIUM™ 950D is a 100% solids high performance two-component polyurea elastomer that can be used for heavy-duty industrial applications, particularly for gravel truck boxes, dump trucks, conveyor belts, shovels, etc. It has excellent resistance to a wide range of chemicals, coupled with superior physical properties.

PRECIDIUM™ 950D 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.

PROPERTIES OF CURED PRODUCT

Density	1.10 g/ml
Service Temperature	50°C (-58° F) to 130°C (266° F)
Shore Hardness	60D
Elongation	393%
Tensile Strength	3866 psi
Tear Strength	540 lb/in
Taber Abrasion: (Mass loss after 1000 cycles)	
CS-17 Wheel	13 mg
H-18 Wheel	263 mg
Conical/Mandrel Bend	Pass
Impact:	Extrusion >320 in/lb Intrusion >320 in/lb

Following Weathering

(1004 hrs. = 20 hrs. UVB-313, 4 hrs. condensation)

Tensile Strength	96.5% retention
Elongation	100% retention

Sprayed with a Graco EXP-2 proportioner, using a Fusion AP Gunwith 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 1600-2700 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 mil and allow to become tack free before continuing. Apply following coats at 20 mil 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.

PRODUCT SAFETY

An SDS is available from Quantum Chemical.

AVAILABILITY

PRECIDIUM™ 950D 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).