

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.

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™ 950D is packaged in 52.9 US Gallon drums.

SAFETY AND HANDLING

An SDS is available from Quantum Chemical.

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.

PROPERTIES OF CURED PRODUCT

Density	1.10 g/ml
Service Temperature	-50° C (-58° F) to 100° C (212° 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-10 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 Gun with AR4242 mix module.