

PRECIDIUM™ 650D Polyurea

DESCRIPTION

PRECIDIUM™ 650D 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 and is suited to a wide range of industrial applications.

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

Volume Solids	100%
VOC	0
Service Temperature	-50°C (-58°F) to 200°C (392°F)

	<u>Test Method</u>	<u>Result</u>
Durometer D Hardness	ASTM D2240	~50-55
Tensile Strength (Die C)	ASTM D412	4200 psi
Elongation (Die C)	ASTM D412	280%
Tear Strength (Die C)	ASTM D624	600 pli
Abrasion Resistance	ASTM D4060	1000 cycles
	(CS-17 Wheel, 1000 g load)	0 mg loss
	(H-18 Wheel, 1000 g load)	120 mg loss
Pot Life		~5 seconds
Tack Free		~10 seconds

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

PRECIDIUM™ 650D is a fast-set system intended for use with plural component spray equipment with a mix ratio of 1 to 1 capable of producing 1600 – 2700 psi.

See detailed procedures in **Quantum QA App** available for Ipad. Current Standard Operating Procedures (SOP) are available for secondary containment. No SOP is currently available for primary containment applications.

STORAGE

Store in a cool and dry place in tightly sealed containers to protect from moisture contamination.

PRODUCT SAFETY

An SDS is available from Quantum Chemical.

AVAILABILITY

PRECIDIUM™ 650D 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 under any conditions outside those specified. The information contained herein is subject to change without notice. Contact Quantum Chemical for current Technical Data Sheets (TDS).