

PRECIDIUM™ 645D Polyurea

DESCRIPTION

PRECIDIUM™ 645D is a 100% solids high performance two-component polyurea elastomer that was formulated for use on well-head insulation projects. The improved green strength allows for better application in colder temperatures. Improved green strength also allows for quicker rolling and handling when this product is used for geotextile liners. It has consistent spray properties over a wide temperature range and excellent resistance to a wide range of chemicals.

FEATURES

- Excellent abrasion resistance even at high temperatures.
- Resistant to impact over wide temperature range.
- Resistant to cracking under high flex conditions.
- Remains flexible at low temperature.
- Resistant to water and wide range of chemicals.
- Longer pot-life than PRECIDIU™ 650D.

PROPERTIES OF CURED PRODUCT

Volume Solids		100%
VOC		0
Density		1.10G/cc
Service Temperature	<u>Test Method</u>	<u>Result</u>
		- 50°C (-58° F to 130°C (266° F)
Durometer D Hardness	ASTM D2240	~35-40
Tensile Strength (Die C)	ASTM D412	2305 psi
Elongation (Die C)	ASTM D412	222%
Tear Strength (Die C)	ASTM D624	305 pli
Abrasion Resistance		
	ASTM D4060 1000 cycles (CS-17 Wheel, 1000 g load)	0 mg loss
	(H-18 Wheel, 1000 g load)	140 mg loss
Pot Life		~8 seconds
Tack Free		~45 seconds

Sprayed with a PMC GH-40 proportioner using a Graco 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™ 645D 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, dry place and in tightly sealed containers to protect from moisture contamination.

AVAILABILITY

PRECIDIUM™ 645D is packaged in 52.9 US Gallon drums.

PRODUCT SAFETY

Contact Quantum Chemical for an SDS.

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).