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## 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 **PRECIDIUM™ 650D**.

## PROPERTIES OF CURED PRODUCT

<b>Volume Solids</b>	100%
<b>VOC</b>	0
<b>Density</b>	1.10G/cc
	<b>Test Method</b> <b>Result</b>
<b>Service Temp.</b>	- 50° C (-58° F) to 100° C (212° F)
<b>Durometer D Hardness</b>	ASTM D2240 ~35-40
<b>Tensile Strength (Die C)</b>	ASTM D412 2305 psi
<b>Elongation (Die C)</b>	ASTM D412 222%
<b>Tear Strength (Die C)</b>	ASTM D624 305 pli
<b>Abrasion Resistance</b>	
	ASTM D4060 1000 cycles (CS-17 Wheel, 1000 g load) 0 mg loss (H-10 Wheel, 1000 g load) 140 mg loss
<b>Pot Life</b>	~8 seconds
<b>Tack Free</b>	~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.

## 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™ 645D** is packaged in 52.9 US Gallon drums.

## SAFETY AND HANDLING

An SDS is available from Quantum Chemical.