



Quantum Chemical

**PRECIDIUM™**  
**MASS TRANSIT**  
*Innovation*  
*It's all in the Chemistry!*

## PRECIDIUM™ MTI 2200 Primer

### DESCRIPTION

**PRECIDIUM™ MTI 2200** is a 75% solids, high-performance, two-component polyurea elastomer ideally suited as a primer for the Quantum **PRECIDIUM™ Membrane Systems**. This product is very similar to the **MTI 2100**, however the 1:1 mix lowers the viscosity of the **MTI 2200** so it can be applied at a much lower mil thickness, while still properly sealing the substrate and providing excellent adhesion to almost all properly prepared substrates. With the same chemistry as the other **PRECIDIUM™** systems, inter-coat adhesion is also excellent when the product re-coat windows are followed.

### INSTRUCTIONS

**PRECIDIUM™ MTI 2200** is mixed 1 part resin to 1 part ISO by volume. Poor mixing and measuring can lead to uncured material. To ensure proper mixing, the Resin is tinted white and the ISO is tinted black. First, mix the Resin and ISO separately so any settled pigment is mixed in. For mixing the Resin and ISO together, it is best if a jiffy mixer is used at high speed for at least 1 minute for mixing. The mixed colour will be a uniform grey, with no visible black or white streaks that would indicate further mixing is required. Improper measuring (under-indexing of the ISO) will negatively affect the properties of the cured product. If in doubt, slight over-indexing of the ISO is preferable, but never under-indexing. It is recommended to mix the amount of material that can be used in a 10-minute window. The best application method is by pouring out product on the substrate and rolling out the product in a very thin coat with a high-quality, low-nap roller (eg. Wooster 3/16" nap. De-lint the roller prior to use.) Clean-up should be done immediately with MEK.

### PROPERTIES OF CURED PRODUCT

<b>Volume Solids</b>	75%
<b>VOC</b>	217g/L (1.81lb/gal)
<b>Mix Ratio</b>	1:1 (Volume) (Resin:ISO)
<b>Resin Colour:</b>	White
<b>ISO Colour:</b>	Black
<b>Mixed Product Colour:</b>	Uniform Grey
<b>Test Description</b>	<u>Test Method</u> <u>Result</u>
<b>Durometer Hardness</b>	ASTM D2240    43D
<b>Tensile Strength:(Die C)</b>	ASTM D412    1900 psi
<b>Elongation (Die C)</b>	ASTM D412    695%

<b>Tear Strength (Die C)</b>	ASTM D624	300 pli
<b>Abrasion Resistance</b>	ASTM D4060	0 mg loss (CS-17 Wheel, 1000 cycles 1000 g load)
<b>Pot Life</b>	20 minutes	
<b>Touch Dry</b>	60-90 minutes	
<b>Tack Free</b>	110-130 minutes	
<b>Recoat</b>	4-36 hours**	

\*Approximate values only; should not be considered specifications. This data sheet is intended for general information only.

\*\*After 24 hours wipe surface with MEK or Acetone prior to re-coat.

### AVAILABILITY

**PRECIDIUM™ MTI 2200** is packaged in US Gallons (3.78 Liters), US 5-gallon Pails (18.9 Liters).

### 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 upon request.

### 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 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 has the authority to change this warranty. The information contained herein is subject to change without notice. If in doubt, contact your Quantum Representative for current Technical Data Sheets.

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