QUANTUM Chemical
High Performance Coatings

WATERBORNE EPOXY PRIMER

PRECIDIUM™ MTI 41-P

DESCRIPTION

PRECIDIUM™ MTI 41-P Waterborne Epoxy Primer is a two-component, corrosion inhibiting primer. This epoxy primer offers excellent corrosion resistance over properly prepared aluminum and steel substrates. **PRECIDIUM™ MTI 41-P** was designed to be top coated with polyurethane or polyurea topcoats. It significantly improves adhesion and corrosion resistance of polyurea and polyurethane fast-set elastomers.

PROPERTIES

Mix Ratio v/v:	4 Parts Epoxy (Part A) 1 Part Hardener (Part B)
Pot life:	~ 2.5 hours[1] (23°C)
Reducer:	Water, up to 5% by volume
Recommended DFT:	3-4 mils
Recoat Time:	Minimum - 30 minutes[2] Maximum - 24 hours[2] (Physical abrasion required if re-coat time is exceeded.)
Density, Part A:	1.41 kg/l
Density, Part B:	1.02 kg/l
Volume Solids:	45% +/- 0.5
Weight Solids:	58% +/- 0.5
Coating VOC:	74.3 g/l
Material VOC:	36.1 g/l

1. It is necessary to use the material within the stated time limit. The substrate temperature should not be below 12°C and the relative humidity not above 80%.
2. Using **PRECIDIUM™ 1150D** as topcoat at 23°C

STORAGE

Do not freeze or store below 5°C. Store in tightly sealed containers and avoid extreme temperatures to maintain product integrity.

AVAILABILITY

PRECIDIUM™ 41-P is packaged in a pail kit (totalling 5 gallons) and a gallon kit (totalling 1.25 gallons).

INSTRUCTIONS

Ensure both A and B components are mixed and homogeneous prior to use. Mix part "A" 4:1 by volume with part "B". Stir thoroughly. Up to 5% water may be added to reduce viscosity. Apply as required by spray, brush or roller. If spraying, use airless, 1000 - 1500 psi, min 14 thou FFLP tip, apply one full wet coat. If a second coat is desired allow 10-15 minutes dry time between coats. Allow the final coat to dry a minimum of 30 minutes at 77° F before top coating. If primer has been left to dry over 24 hours, the surface must be abraded to achieve satisfactory adhesion.

NOTE: Never "DRY SPRAY" primers or the product will not sufficiently wet the substrate and corrosion performance will be compromised.

Clean all equipment immediately with water followed by Acetone or Methyl Ethyl Ketone (MEK). If product has begun to set, Acetone/MEK may be required to effectively clean equipment.

PRODUCT SAFETY

An SDS is available from Quantum Chemical.

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 representative for current Technical Data Sheets (TDS).

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