



Quantum Chemical

PRECIDIUM™
PROTECTIVE COATINGS
Innovation
It's all in the Chemistry!

PRECIDIUM™ 41-P Waterborne Epoxy Primer

DESCRIPTION

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

PROPERTIES OF CURED PRODUCT

Mix Ratio: 4 Parts Epoxy (Part A) :
1 Part Hardener (Part B) by Volume

Pot life (at 23°C): ~ 2.5 hours¹

Reducer: Water up to 10% by Volume

Recommended Dry Film Thickness: 3-4 mils

Recoat Time:

(Using **PRECIDIUM™ 1150D** as topcoat at 23°C)

Minimum – 2 hours

Maximum - 24 hours

(Sanding recommended if re-coat time is exceeded.)

Density (Part A): 1.37 g/li

Density (Part B): 1.06 g/li

Solids by Volume (Mixed): 52%

Solids by Weight (Mixed): 61%:

Mixed Viscosity: 3440 cp

Mixed Viscosity Reduced

with 10% Water: 732 cp

Storage: Do not freeze. Lowest temperature storage is 5°C (41° F).

Coating VOC Mixed: 0.746 lbs./gal

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%.

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™ 41-P Waterborne Epoxy Primer comes in a pail kit (totaling 5 gallons) and a gallon kit (totaling 1.25 gallons).

INSTRUCTIONS

Mix primer part "A" 4-1 by volume with primer catalyst part "B". Stir thoroughly. Induction time is 30 minutes. Apply as required by spray, brush or roller. If spraying, apply one full wet coat using 45-55 PSI (conventional spray) at the gun. If a second coat is desired allow 10-15 minutes dry time between coats. Allow the final coat to dry a minimum of 1 hour at 77° F. Topcoat minimum 2 hours. If primer has been left to dry over 24 hours, the surface must be abraded to achieve satisfactory adhesion.

NOTE: Never "DRY SPRAY" primers, they need a wet coat to flow into conversion coatings and sand scratches. Refer to MSDS before use.

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

Allow a minimum of 2 hours and a maximum of 24 hours cure time before topcoat is applied. Do not apply topcoat before **PRECIDIUM™ 41-P Waterborne Epoxy Primer** is touch dry.

PRODUCT SAFETY

An MSDS is available upon request from Quantum.

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 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 (TDS).