

CrownPrime 7021

Product Description Sheet No. 7021

Two-Component High Solids Epoxy-Polyamine Primer

Description

CrownPrime 7021 is a two-component, high solids, liquid applied, epoxy-polyamine primer with unique penetrating characteristics. CrownPrime 7021 is ANSI/NSF 61 approved for direct contact with potable water.

Advantages

- Seamless
- Elastomeric
- Recoatable
- Meets California VOC and AQMD Requirements, Including SCAQMD Areas
- Chemical Resistance
- Waterproof

Packaging

3 gallon kit: One 3.5 gallon pail, net fill 2 gallons (7.57 liters) of Part-A and One 1 gallon (3.78 liter) can of Part-B.

15 gallon kit: Two 5 gallon (18.9 liter) pails of Part-A and One 5 gallon (18.9 liter) pail of Part-B.

Mixing:

The volume mixing ratio is 2 parts Part-A Blue Liquid to 1 part Part-B Yellow Liquid.

CrownPrime 7021 Part-A and Part-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. CrownPrime 7021 must always be mixed with two parts Part-A and one part Part-B (Part-A: Part-B = 2:1). The combined components should be thoroughly mixed using a mechanical mixer at slow speed. Do not mix in an up and down motion.

Application:

CrownPrime 7021 should be applied at the rate of 1 gallon (mixture of Part-A & Part-B) /300 sq. ft. (0.14 liters/m²). Coverage rate will depend on surface roughness and porosity. It can be applied using an airless sprayer, brush, or phenolic resin core roller.

Allow CrownPrime 7021 to become tack free before applying the coating. Approximate tack free time is 4-6 hours at 75°F (24°C) and 50% relative humidity.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above the dew point.

CrownPrime 7021 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time and pot life. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

Technical Data (Based on draw down film)

Coverage Rate	1 gal/300 sq. ft. 0.14 l/m ²
Dry Film Thickness per Coat	5 ± 1 mils 127 ± 25 microns
Pot Life at 75°F (24°C), 50% R.H.	20-30 min.
Hardness, ASTM D-2240	70 ± 5 Shore D
Specific Gravity, Part-A	1.09
Part-B	1.07
Total Solids by Weight, ASTM D-2369	91%
Total Solids by Volume, ASTM D-2697	90%
Viscosity at 75°F (24°C) Part-A & Part-B combined	600 ± 50 cps
Volatile Organic Compounds, ASTM D-2369-81	0.75 lb/gal 90 gm/liter

Equipment Cleanup:

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

Storage:

CrownPrime 7021 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

Limitations:

CrownPrime 7021 should be coated within 12-16 hours after it has become tack free. Not UV stable. Surfaces must be dry, clean and free of foreign matter. Containers that have been opened must be used as soon as possible.

CrownPrime 7021 is difficult to clean up after it has cured. Do not dilute CrownPrime 7021. Mix no more material than can be used within 20 minutes.

Warning:

This product contains Epoxy Resin and Curatives

FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINERS TIGHTLY CLOSED

LIMITED WARRANTY "Crown Polymers Corp. warrants its products to be free of manufacturing defects, to be of good quality, and that they will meet Crown Polymers current published physical properties when applied in accordance with Crown Polymers written directions and tested in accordance with ACI, ASTM and Crown Polymers Standards. Product proved to be defective will be replaced. **There are no other warranties by Crown Polymers Corp. of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product.** Crown Polymers Corp. shall not be liable for damages of any sort, including remote or consequential damages, resulting from any claimed breach of any warranty, whether expressed or implied, from any other cause whatsoever. Crown Polymers will not be responsible for use of this product in a manner to infringe on any patent held by others."