

CIM 61TN EPOXY PRIMER

FUNCTION

CIM 61TN Epoxy Primer is a two component high solids epoxy coating formulated as a primer for porous and non-porous surfaces such as concrete and metal.

CONCRETE SURFACE PREP

Substrates must be clean and dry with no oils, grease or loose debris. ICRI-CSP 4-5 surface profile exposing aggregate. Concrete must exhibit a minimum of 3,000 psi compressive strength and be free of release agents and curing compounds. The substrate must be clean, dry and free of contaminates.

MIXING

Maintain material temperature of 60°F to 90°F prior to mixing. DO NOT THIN EITHER COMPONENT. Mixing equipment and surfaces where material is applied must be ABSOLUTELY DRY. Do not apply in wet weather, when rain is imminent or when the surface may become wet before the coating is dry. Strictly observe mixing, induction times and substrate temperature requirements. Throughout the curing period, the surface should be minimum 50°F (10°C) AND minimum 5°F (3°C) above the dew point.

Thoroughly mix each of the two components separately: CIM 61TN Epoxy Resin and CIM 61TN hardener. DO NOT HAND MIX. Use a power mixer. Consistency should be uniform and smooth with no settled pigments remaining at the bottom. Add entire contents of each component and thoroughly mix until color and consistency are uniform. ALLOW A MINIMUM OF 15 MINUTES INDUCTION TIME FOR MIXED PRIMER BEFORE APPLICATION.

The two components must be combined in the correct ratios for this product to set up properly. Failure to adequately mix each component separately to achieve a uniform dispersion or failure to blend to the proper volume proportion will result in a failure of the coating to perform adequately.

APPLICATION

Apply CIM 61TN Epoxy Primer at a coverage rate of 5 to 10 wet mils per coat. When coating porous substrates apply primer when the substrate is in a temperature declining mode and not in direct sunlight. A uniform coating free of holidays or pinholes is necessary to minimize outgassing effects during the application of the CIM coating to porous surfaces such as concrete. Surfaces may require additional coats to achieve a pinhole free application.

Allow CIM 61TN Epoxy Primer to cure at least 12 hours at 70°F (21°C) to permit solvent loss. Failure to allow sufficient time for solvent loss may result in the formation of solvent blisters or poor adhesion of rubber lining. Prior to application of rubber lining, test for the presence of amine blush by testing the pH of the epoxy primed surface. The pH should be 7-8. If the pH is higher than 8, solvent wipe with methyl ethyl ketone until the pH is within the recommended range. Application of rubber lining to epoxy primer with a high pH will result in poor adhesion. When applied to porous surfaces, CIM 61TN Epoxy Primer will greatly reduce the effects of outgassing, but it may not completely prevent the occurrence.

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RECOATING

Minimum/Maximum recoat is 12hrs/48hrs at 70°F.

Allow at least 12 hours between coats or rubber lining. If more than 48 hours has past since the application of CIM 61TN Epoxy Primer, or the CIM 61TN Epoxy Primer is otherwise contaminated, test surface for pH and check for contaminants. Solvent wipe with methyl ethyl ketone to clean surface and reapply CIM 61TN Primer if within 30 days.

CLEAN UP

Clean all equipment immediately after use with xylene or MEK before coating has had a chance to set up.

PRECAUTIONS

CIM 61TN is a flammable product. Do not store or use near an open flame, sparks, or hot surfaces. Keep tightly closed.

TOXICITY

Please see CIM 61TN Epoxy Resin and CIM 61TN Epoxy Hardener MSDS for specific hazards.

SAFETY

Please see CIM 61TN Epoxy Resin and CIM 61TN Epoxy Hardener MSDS for specific handling and safe work practices.

TYPICAL PHYSICAL PROPERTIES

Color	CIM 61TN Epoxy Resin which is yellow, and CIM 61TN Hardener which is light brown.
Consistency	Brushable liquid
Mixing Ratio	1 part Resin : 1 part Hardener by volume
Solids by volume	70% mixed (1123 dry mil x sq.ft./gal.) (ASTM D 2697)
Density	CIM 61TN Resin approximately 13.69 LBS/gal. CIM 61TN Hardener approximately 12.52 LBS/gal.
Coverage	320 sq. ft./gal. (about 5 wet mils)
Pot Life	About 4 hours at 77°F (25°C)
VOC (EPA 24):	240 g/l (2 lb./gal.)
Working Temperature	Throughout the curing period, the surface should be above 50°F (10°C) and minimum 5°F (3°C) above the dew point.
Shelf Life	24 months
Application Procedure	Refer to CIM 61TN Epoxy Primer Application Procedure(s).

For further assistance, please call our office at 800-321-5583 or fax us at 330-769-9334.

DISCLAIMER:

The data is based on information believed to be reliable and is offered solely for evaluation. CIM products are sold with the understanding that clients make their own tests to determine the suitability of these products for their particular application. We assume no liability or responsibility resulting from its use of any kind.