

CE-139M

11/12 Supersedes 08/06

PENNTROWEL[®] EPOXY PRIMER

DESCRIPTION

PENNTROWEL Epoxy Primer is a 2-component, liquid epoxy resinous primer used to promote adhesion to concrete and steel substrates. It can be used as a concrete bonding agent as well as with Corrosion Engineering's Surfacers and lining systems. These include PENNTROWEL Epoxy Broadcast Systems, PENNTROWEL Epoxy L/F Systems, PENNTROWEL 250 Surfer and SB Systems, and PENNCOAT[®] 221 and 227. The use of PENNTROWEL Epoxy Primer helps minimize out-gassing from concrete substrates before application of chemical-resistant topcoats. **Consult Corrosion Engineering specification [CES-342](#) for complete installation details.**

AREAS OF USE

Adhesion promoter for PENNTROWEL monolithic flooring systems, and PENNCOAT lining systems when applied to suitably prepared concrete, brick masonry and steel surfaces.

A bonding agent for the placement of new concrete against old concrete.

An epoxy sealer for concrete in order to improve the surface strength of the concrete.

A moisture resistant barrier on masonry surfaces.

OUTSTANDING FEATURES

- PENNTROWEL Epoxy Primer is supplied as a 2-component unit for ease of mixing in the field.
- Can be applied to concrete, brick or steel substrates. Excellent adhesion.
- Resists corrosive effects of dilute inorganic acids, alkalis, alkaline salts, acid salts, oils, grease, milk products, fats, blood, most dilute organic acids and many solvents.
- PENNTROWEL Epoxy Primer has been authorized by the USDA for use in meat and poultry plants.
- Suitable to use as a saturant with reinforcing cloth for PENNCOAT MR Systems.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	PENNTROWEL Epoxy Primer
Solids content (By weight)	100%
Mixed Density	1.02
Water absorption (ASTM C413)	<1%
Viscosity	1200 -1400 cps.
Adhesion to: Concrete Brick Steel	Greater than strength of concrete Greater than strength of brick 10.2 MPa
Cure Time to Tack-Free Hard finish	10C 12 hrs 20C 6 hrs 30C 3 hrs

ESTIMATING/PACKAGING THEORETICAL QUANTITIES – NO OVERAGE ALLOWANCE

PRODUCT	CODE	PACKAGING	COVERAGE*
PT Epoxy Primer Resin PT Epoxy Primer Hardener	50214 50215	3.15 kg Can 0.9 kg Can The above components combine to make 1 x 4.05 kg unit.	0.2 kg/m2 @ 0.2 mm WFT Code 50214/50215 1 x 4.05 Kg mixed unit - 19.8 M2
PT Epoxy Primer 4 pack KIT	50213	4 pack of the 4.05 kg units above	Code 50213 4 x 4.05 Kg Units - 79.2 M2
PT Epoxy Primer Resin PT Epoxy Primer Hardener	50218 50219	24.5 kg Pail 2 x 3.5 kg Cans/Case The above components combine to make 1 x 31.5 kg unit	Code 50218/50219 1 x 31.5 kg mixed unit - 154.4 M2 Coverage will vary with the roughness and porosity of concrete surface. Coverages shown above are conservatively based on 0.2 mm WFT.

*All coverages are theoretical and do not include pail loss, surface irregularities, curing reduction, and typical overage allowances.

SAFETY PRECAUTIONS / DISCLAIMER

Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and material safety data sheets before using. While all statements, technical information, and recommendations contained herein are based on information our company believes to be reliable, nothing contained herein shall constitute any warranty, express or implied, with respect to the products and/or services described herein and any such warranties are expressly disclaimed. We recommend that the prospective purchaser or user independently determine the suitability of our product(s) for their intended use. No statement, information or recommendation with respect to our products, whether contained herein or otherwise communicated, shall be legally binding upon us unless expressly set forth in a written agreement between us and the purchaser/user.



Corrosion Engineering | 300 Stevens Drive, Suite 310, Lester, PA 19113
 +1-610-833-4001 Phone | +1-610-833-3040 Fax | corrosion-engineering.com