

**CE-138M**  
**11/12 Supersedes 08/06**

### ***PENNTROWEL<sup>®</sup> VINYL ESTER PRIMER***

#### **DESCRIPTION**

PENNTROWEL Vinyl Ester Primer is a 2-component, flexibilized resinous vinyl ester penetrating primer used to promote adhesion to concrete and steel substrates of CED's Surfacer and lining systems which include PENNTROWEL Vinyl Ester Broadcast System, PENNTROWEL Vinyl Ester L/F Systems, PENNTROWEL VE 60MR, ACROCAST<sup>®</sup> Vinyl Ester Concrete, and PENNCOAT<sup>®</sup> 321, 331 and 340. **Consult Corrosion Engineering specification [CES-342](#) for complete installation details.**

#### **AREAS OF USE**

Adhesion promoter for Corrosion Engineering vinyl ester surfacers, lining systems and membranes when applied to suitably prepared concrete, brick masonry and steel surfaces. Not compatible with latex-modified concretes, underlayments, or patching materials.

A vinyl ester based sealer for concrete in order to improve the surface strength of the concrete.

A moisture-resistant barrier on masonry surfaces.

#### **OUTSTANDING FEATURES**

- Excellent adhesion to concrete, brick, tile and steel surfaces.
- 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.
- Cures quickly, allowing fast turnaround time.
- PENNTROWEL Vinyl Ester Primer uses a low viscosity flexibilized resin for maximum substrate penetration on concrete or porous substrates.

**TYPICAL PHYSICAL PROPERTIES**

PROPERTY	PENNTROWEL VE Primer
Color	Clear-Amber
Wet Density	1.1
Viscosity (mixed)	350-450 cps.
Water absorption (ASTM C413)	<1%
Flash point of resin (Part A) (ASTM D93)	32-35°C
Adhesion to concrete Adhesion to brick Adhesion to steel (7 days)	Greater than strength of concrete Greater than strength of brick 8.3-9.6 MPa
Cure time to tack free hard finish	10°C, 7-8 hrs 21°C, 3-4 hrs 32°C, 2-3 hrs

**ESTIMATING/PACKAGING THEORETICAL QUANTITIES –NO OVERAGE ALLOWANCE**

PRODUCT	CODE	PACKAGING	*COVERAGE WFT	
PT Vinyl Ester Primer Resin	50101	29 Kg Pail	Concrete: 0.3 kg/m <sup>2</sup> @ 0.28 mm  Steel: 0.055 kg/m <sup>2</sup> @ 0.05 mm	
PT Vinyl Ester Primer Resin	50106	4 Kg Can		
CHP Hardener	50108	200 cc Bottle	*All coverages are theoretical and do not take into account pail loss, surface irregularities, curing reduction or overage allowances.	
	50109	400 gram Bottle		
<b>For MR Linings incorporating glass mat reinforcement, add the following:</b>				
Mat reinforcing - MR system	50701	150 SM roll		150 SM per roll
Saturant for glass mat for MR (mat reinforced system only) Use PT VE Primer Resin / CHP above at rate shown at right.			0.88 kg/m <sup>2</sup> @ 0.8 mm	

**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