

CE-306M
11/12 Supersedes 06/12

PENNCOAT[®] 331 AS (Anti Static) LINING SYSTEM

DESCRIPTION

PENNCOAT 331 anti static AS Lining System is a high solids epoxy modified vinyl ester anti static lining system based on high quality vinyl ester resin polymer chemistry. It utilizes a peroxide based curative for maximum chemical resistance, as well as special fillers for reduced permeation and anti static properties. For chemical containment applications it is applied in two coats of 250 microns DWFT (dry wet film thickness) per coat. **Consult Corrosion Engineering specification [CES-259](#) for complete installation details.**

AREAS OF USE

Suitable for use as a concrete lining within its chemical limits for foot and light fork truck service, and chemical splash and spillage. For interior and exterior applications. Ideal as a secondary containment lining. The anti static properties of PENNCOAT 331 AS Lining make it ideal where anti static properties are desired

Typical areas of use include process plant floors, chemical storage tank farms, equipment bass and foundations dikes trenches and sumps

OUTSTANDING FEATURES

- Electrical properties to 10^4 ~ 10^6 ohms when tested in accordance to ASTM F-150
- Excellent resistance to acids, alkalis, and solvents.
- PENNCOAT 331 / 331MR is flake filled, resulting in significantly improved permeation ratings compared to non-flake filled systems.
- PENNCOAT 331MR utilizes a chopped strand glass mat reinforcement in the primer layer to minimize crack transmission from the substrate.
- Installed easily by brush, roller or spray.
- UV resistant – suitable for exterior applications
- Excellent adhesion to concrete.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	PENNCOAT 331 AS Lining
Standard Colors	Dark grey or black
Solids / Specific Gravity	100 % reactive / 1.2~1.3
Pot Life	30 minutes @ 25C
Drying Time	Dry to touch in 2 hours at 25C
Mix ratio	Resin: Catalyst 100:1.6
Application	Brush roller or spray
Recoat Time	Do not recoat until first coat is dry and no residual material comes off on finger when touched
Primer	Prime all concrete substrates with Ergon Penncoat VE Conductive Primer. Consult data sheet CE-307M
Shelf Life	Resin :6 months when stored Catalyst: 1 year if stored at 20C

ESTIMATING/PACKAGING THEORETICAL QUANTITIES – NO OVERAGE ALLOWANCE

PRODUCT	CODE	PACKAGING	*COVERAGE (WFT Theoretical)
331 AS Resin Grey	tbd xx	29 Kg Pail Other colors may be available on request subject to need to incorporate required dark antistatic fillers in the matrix. Contact CED for details.	65/m ² /pail @ 250 µm DFT per coat. 2 coats required. *All coverages are theoretical and do not include pail loss, surface irregularities, curing reduction, and typical overage allowances.
CHP Hardener	50108 50109	200 cc Bottle 400 gram Bottle	

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.



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