

CE-262

09/13 Supersedes 05/01

PENNCOAT[®] 340 LINING

DESCRIPTION

PENNCOAT 340 is a 45-50 mil WFT (Wet Film Thickness) lining system based on premium grade novolac vinyl ester resin polymer chemistry. It utilizes a peroxide based curative for maximum chemical resistance, as well as flake fillers for reduced permeation. It is specifically formulated to be applied by spray in two coats of 22-25 mils WFT per coat for a total lining thickness of 36 - 40 mils DFT (Dry Film Thickness). **Consult Corrosion Engineering specification [CES-259](#) for complete installation details.**

AREAS OF USE

PENNCOAT 340 Lining can be used 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.

Immersion service as a tank lining within chemical and thermal limitations

PENNCOAT 340 is suitable as an internal lining to protect ductwork, stacks, and associated air pollution control and flue gas conveying equipment from corrosive acids and fumes.

Note: PENNCOAT 340 is designed for thick build applications using industrial by spray equipment - either airless spray or plural component equipment. Although it may be applied by roller or brush, the surface finish will be rippled, To achieve a smooth finish by brush or roller, consult Corrosion Engineering product data sheet CE-259 - PENNCOAT 331 / 331MR Lining.

OUTSTANDING FEATURES

- PENNCOAT 340 is ideal for heavy WFT film build-up in a single pass when using industrial spray equipment. Ability to be applied in a thick build in a single pass results in reduced labor costs for a heavy film build lining.
- PENNCOAT 340 is flake filled, resulting in significantly improved permeation ratings compared to non flake filled systems.
- Excellent resistance to acids, alkalis, oxidizers and solvents.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	PENNCOAT 340 Lining
Standard Colors	Grey. White is not stocked, but available upon special order.
Primer	Concrete: PENNTROWEL® Vinyl Ester Primer (CE-138) Steel: None is required for adhesion, but Vinyl Ester Primer is recommended to hold blast profile
24 hour tensile bond strength:	Sandblasted steel: 1500 psi Concrete: greater than the tensile strength of concrete
Maximum service temperature:	180°F in chemical immersion depending upon chemical environment. 350°F in flue gas service.
Viscosity (mixed material)	13700 - 16700 cps @ 70°F
VOC content / Solids by wt (mixed material)	0.15 lb/gal / 70%
Mix ratio - Resin : Hardener by volume	64:1
Abrasion Resistance - Taber	75 mg loss/1000 cycles with 1000 gram (CS-17) Wheel
Moisture permeability	0.0015 perm-inch (ASTM E96)

ESTIMATING/PACKAGING THEORETICAL QUANTITIES – NO OVERAGE ALLOWANCE

PRODUCT	CODE	PACKAGING	COVERAGE
340 Resin Grey	27078	5 gal pail	1 x 5 gal unit = 1 x 5 gal pail Resin and 1 x 0.7 pint bottle CHP Hardener Coverage: 65-75 SF/mixed gal @ 22 - 25 mils WFT will yield 18-20 mils DFT*. 2 coats required. *DFT coverage includes allowance for pail loss, curing reduction, and typical overage allowance.
340 Resin White (Special order - call)	27079	5 gal pail	
CHP Hardener	19552	0.7 pint 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.



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