

CE-251

09/13 Supersedes 05/08

PENNCOAT[®] 210

DESCRIPTION

PENNCOAT 210 is a general purpose, pigmented, 100% reactive epoxy coating formulated for use on concrete or steel. It is compatible with Corrosion Engineering's PENNTROWEL[®] Surfacer flooring systems. PENNCOAT 210 may be applied as a top coat over PENNTROWEL and other surfacing systems to restore color, or directly over concrete and steel. It can be applied neat to provide an easy to clean surface finish or with aggregates, either fine or coarse, to provide an economical skid resistant texture.

PENNCOAT 210 is available in a range of commonly used industrial colors. Custom colors and color matching is also available under special order. **Consult Corrosion Engineering specification [CES-342](#) for complete installation details.**

AREAS OF USE

Use on concrete or steel where a tough, flexible coating is needed for temperature or thermal shock resistance.

Provide colored, textured sealer for concrete floors or latex concrete surfacing materials.

USDA authorized for use in meat and poultry plants.

Restore worn or faded PENNTROWEL Epoxy Surfacer flooring systems, or other epoxy toppings.

OUTSTANDING FEATURES

- Tough, flexible epoxy formula - outstanding chemical and temperature resistance.
- Easy to apply by brush, roller or spray.
- Supplied as a pre-measured, two component unit for ease of mixing in the field.
- Concrete coated with Penncoat 210 is easier to clean and maintain than un-coated concrete, and will exhibit less dusting.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	PENNCOAT 210
Colors	Std colors see below. Special colors & matching on request.
Mixed ratio by weight / volume	Resin:Hardener - By Weight: 3 to 1, by Volume: 2.0 to 1.0
Solids Content - By Weight / Volume	100% / 100%
Viscosity (mixed unit)	1300-2300 cps (typical most colors)
Primer	Not required for adhesion, but priming always minimizes potential for out gassing and pinholes on concrete substrates.
Gloss (60° Glossmeter)	70-95
Work life / Set Time / Cure Time @ 70°F	30-50 minutes pot life. Tack free (dry to touch) - 5-8 hours Light Foot Traffic - 12-14 hours. Full cure - 2-5 days
Recoat/Topcoat @ 70°F	8-12 hours
Abrasion resistance - Taber wear index	32 mg loss (1000g weight, CS17 Wheel, 500 cycles)
Hardness (Shore D2 Durometer)	80
Tensile/Flexural ASTM D638 /D790	4,800 psi / 5400 psi
Elongation ASTM D638	3.1%

ESTIMATING/PACKAGING THEORETICAL QUANTITIES – NO OVERAGE ALLOWANCE

PRODUCT	CODE	PACKAGING	COVERAGE
SMALL 3.0 GAL UNIT			
PENNCOAT 210 Resin - Light Gray	29548	3.0 gal (32 lb) unit	A 3.0 gal unit consists of 2 x 1.0 gal cans of Resin and 2 x 0.5 gal cans of Hardener, and will cover 600 SF (200 SF/gal) @ 8 mils WFT. If split in ½, a 1.5 gallon unit will cover 300 SF*.
PENNCOAT 210 Resin - Medium Gray	29537	3.0 gal (32 lb) unit	
PENNCOAT 210 Resin - Tile Red	29539	3.0 gal (32 lb) unit	
PENNCOAT 210 Resin - White	29540	3.0 gal (32 lb) unit	
PENNCOAT 210 Resin - Traffic Yellow	29541	3.0 gal (32 lb) unit	
PENNCOAT 210 Resin - Beige	29542	3.0 gal (32 lb) unit	
LARGE 15.0 GAL UNIT			
PENNCOAT 210 Resin - Light Gray	29549	5.0 gal (60 lb) pail	A 15.0 gal unit consists of 2 x 5.0 gal pails of Resin and 1 x 5.0 gal pail of Hardener and will cover 200 SF/gal* (3000 SF/unit) @ 8 mils WFT. *Coverage on surfaces such as rough concrete may vary with texture. Coverages on primed surfaces or with second coats is generally higher.
PENNCOAT 210 Resin - Medium Gray	29538	5.0 gal (60 lb) pail	
PENNCOAT 210 Resin - Tile Red	29544	5.0 gal (60 lb) pail	
PENNCOAT 210 Resin - White	29545	5.0 gal (60 lb) pail	
PENNCOAT 210 Resin - Traffic Yellow	29546	5.0 gal (60 lb) pail	
PENNCOAT 210 Resin - Beige	29547	5.0 gal (60 lb) pail	
PENNCOAT 210 Hardener	29543	5.0 gal (40 lb) pail	

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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