Corrosion Engineering
A Division of ErgonArmor

PRODUCT INFORMATION

CE-310M
11/12 Supersedes NEW

PENNCOAT ® 227 AS CONDUCTIVE LINING SYSTEM

DESCRIPTION

PENNCOAT 227 AS Conductive Lining System is a two component novolac epoxy conductive lining system based on high performance novolac epoxy resin polymer chemistry. It is applied over primed concrete surfaces and offers outstanding mechanical, impact, chemical resistance and conductive properties. PENNCOAT 227 AS Conductive Lining System is applied in two coats of 100 microns WFT (wet film thickness) per coat for a total lining thickness of 200 microns. **Consult Corrosion Engineering specification CES-342 for complete installation details.**

AREAS OF USE

PENNCOAT 227 AS Conductive Lining System is suitable for use as a concrete lining within its chemical limits for foot and light fork truck service, and chemical splash and spillage where a conductive lining system may be desired. It is suitable for interior and exterior applications and is ideal as a secondary containment lining, storage tank farms, concrete floors and dykes. The conductive properties of PENNCOAT 227 AS Conductive Lining System make it ideal where antistatic properties are desired.

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 227 AS Conductive Lining System is flake filled, resulting in significantly improved permeability ratings when compared to non-flake filled systems.
- PENNCOAT 227 AS Conductive Lining System utilizes a specially formulated conductive filler for anti static and conductive floor applications.
- Installed easily by roller or spray.
- Excellent adhesion to concrete. Excellent abrasion resistance.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	**PENNCOAT 227 AS Conductive Lining System**
Color	Black
Specific Gravity	1.3
Solids	100%
Pot Life	25-30 minutes @ 25°C
Drying Time	Dry to touch in 4 hours at 25°C
Components Mix ratio	Resin: Hardener 3.0:1.0 by weight
Electrical conductivity (ASTM F-150)	10^4~10^6 ohms
Application Method	Roller or spray. Do not apply by brush.
Recoat Time @ 25°C	8 hours minimum – 7 days maximum Consult Ergon if recoat time is exceeded
Primer	Prime all concrete substrates with Ergon Penntrowel® Conductive Epoxy Primer. Consult Ergon data sheet C309M for details.
Application Specifics	Do not apply if RH is greater than 90%. Do not apply if substrate temperature is <10°C or >30°C and must be 3°C above dew point. Consult Ergon specification CES-259 for more details.
Shelf Life	1 year at 20°C if stored in sealed containers in a dry cool place. Do not store in direct sunlight.

ESTIMATING/PACKAGING THEORETICAL QUANTITIES –NO OVERAGE ALLOWANCE

PRODUCT	**CODE**	**PACKAGING**	***COVERAGE**
Penncoat 227 AS Resin	50247	21.0 Kg Pail	A 28.0 kg unit consists of 1 x 21.0 kg pail of Resin and 2 x 3.5 kg cans of Hardener.
Penncoat 227 AS Hardener	50248	3.5 kg can (2 cans required for 1 pail of resin)	Coverage on concrete: 107m2 per 28.0 kg unit @ 100 µm WFT per coat. 2 coats required. *All coverages are theoretical and do not take into account pail loss, surface irregularities, or 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.

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