

CrownPro ElectricShield

Product Description Sheet No. 354-355



A CONDUCTIVE (CD) PROTECTIVE EPOXY FLOOR AND SECONDARY CONTAINMENT SYSTEM

DESCRIPTION

CrownPro ElectricShield is a Conductive Epoxy Overlay System. It consists of **CrownPro ElectricShield Primer, Product No. 354**, a 100% solids, conductive epoxy primer and **CrownPro ElectricShield, Product No. 355**, a 100% solids, low viscosity, non-shrink, two-component, modified conductive epoxy top coat used as a thin or thicker build up overlay system designed to comply with NFPA 99 standards conductive range of 25,000 to 10^6 ohms. The CD system conducts electrical charges through the overlay to electrical grounds.

WHERE TO USE

Use on clean concrete surfaces, cleaned non-conductive polymer overlays, non-conductive tile, and other substrates requiring CD protection.

- Clean Rooms
- Laboratories
- Pharmaceutical
- Electronics and Computer Manufacturing
- Data Processing
- Automotive and Parts Manufacturing
- Military / Aerospace
- Warehouses
- Photographic / Graphic Arts
- Where protection of sensitive electronic equipment is used or stored.
- Chemical Industries
- Cold Storage Containment Areas
- Hazardous Industries with Dust or Chemical Environments

ADVANTAGES

- Excellent Working Time
- Cures and Adheres on Dry or Damp Concrete Surfaces
- Applicable and Curable Down to 35⁰F
- Top Coat 100% Solids
- Primer, No VOC's - 100% Solids
- Easy System to Apply
- Nearly No Odor During Application
- USDA and FDA Compliance
- Applied with Squeegee and Roller
- Maintains CD Performance over the Wear Life of the Floor.
- Does Not Depend on Relative Humidity for Conductivity Properties.
- Economical System
- Excellent Color Selection
- Easy to Maintain and Clean
- Nonskid Finishes are Available

TYPICAL COVERAGE

Coverage's are dependant up on existing surface profiles, regrading and usage of the ESD system. See Placement Methods Bulletin, AM 15, ESD (Electrostatic Dissipating) and CD (Conductive) Overlays.

LIMITATIONS

- DO NOT APPLY ON WET OR WATER SATURATED CONCRETE SURFACES.
- Do Not Apply When Substrate Temperature is Below 35⁰F (2⁰C).
- Do Not Thin with Solvents or Other Materials, They Will Prevent Proper Cure.
- Excessive wear and scoring of the surface may alter electrical resistance capabilities.

354-355.1-2 3/2000

CROWN POLYMERS, LLC

44W104 Route 20, Hampshire, IL 60140 USA telephone: 847 683-0800 fax: 847 683-0890 toll free: 888 732-1270
e-mail: info@crownpolymers.com website: www.crownpolymers.com

CrownPro ElectricShield, A Conductive Protective Overlay System

COLOR AND SURFACE PROFILES

- Available in ten (10) Standard Colors
- A variety of surface profiles, from a glossy smooth finish to a textured orange peel look.

PRECONDITIONING POLYMER

When temperatures drop polymers typically thicken and it becomes harder to flow or to spread the product. When the temperatures are warmer they typically become thinner. To improve the flowability of product during placement maintain temperatures before mixing at about 20°C (73°F). When the substrate temperature is 10°C (50°F), or lower, preheat each epoxy component to 90°F(32°C) before mixing. Caution the potlife will be reduced by about 50%.

CUSTOMER SATISFACTION

Apply a test area to ensure that the application meets the customer's expectations.

CLEAN-UP

Components "A" & "B" - Ventilate area. Control spills. Collect with absorbent material.

Component "C" - Ventilate area. Sweep or vacuum into appropriate containers.

Disposal

Dispose in accordance with current, applicable local, state, and federal regulations.

CAUTION

Before Using Read Material Safety Data Sheets.

Component "A" - Irritant -

Contains epoxy resins. Prolonged contact with skin may cause irritation. Avoid contact with eyes.

Component "B" - Corrosive -

Contains aliphatic / cycloaliphatic amines. Contact with skin may cause severe burns. Avoid eye contact. Product is a strong sensitizer.

Component "C" - Contains silica. Avoid breathing product.

IMPORTANT INFORMATION

Use of safety goggles, chemical-resistant gloves, adequate ventilation and NIOSH/MSHA approved respirator is recommended.

FIRST AID

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water for at least 15 minutes. For respiratory problems, remove person to fresh air. Contact a physician immediately. Wash clothing before re-use.

TECHNICAL / SPECIFICATION SERVICES

Technical Support and Product & Application Specifications are available from Crown Polymers or our Local Representatives.

KEEP OUT OF REACH OF CHILDREN

LIMITED WARRANTY - "Crown Polymers, LLC warrants its products to be free of manufacturing defects, to be of good quality, and that they will meet Crown Polymers current published physical properties when applied in accordance with Crown Polymers written directions and tested in accordance with ACI, ASTM and Crown Polymers Standards. Product proved to be defective will be replaced. **There are no other warranties by Crown Polymers, LLC of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product.** Crown Polymers, LLC shall not be liable for damages of any sort, including remote or consequential damages, resulting from any claimed breach of any warranty, whether expressed or implied, from any other cause whatsoever. Crown Polymers will not be responsible for use of this product in a manner to infringe on any patent held by others."

[For the Location of Your Nearest Crown Polymers Representative](#)



CALL NATIONWIDE TOLL-FREE 1-888 / 732-1270

USA Corporate Office & Factory

Crown Polymers, LLC 44 W 104 Route 20, Hampshire, IL 60140 USA Web Site: www.crownpolymers.com
Fax: 847 / 683-0890 - Local Tel: 847 / 683-0800 – e-mail: info@crownpolymers.com

354-355..2-2