

CrownPro SparkShield

Product Description Sheet No. 352-353



AN ELECTROSTATIC DISSIPATING (ESD) PROTECTIVE EPOXY FLOOR SYSTEM

DESCRIPTION

CrownPro SparkShield is an Electrostatic Dissipating (ESD) Epoxy Overlay System. It consists of **CrownPro SparkShield Primer, Product No. 352**, a 100% Solids, Low Viscosity conductive epoxy primer and **CrownPro SparkShield, Product No. 353**, a 100% solids, ultra low viscosity, non-shrink, two-component, modified conductive epoxy top coat used as a thin or thicker build up system designed to comply with NFPA 99 Standards of Static Electricity Dissipative (1.0×10^6 to 1.0×10^9 Ohms). The ESD system conducts electrical charges through the top coat down into the ESD conductive primer.

WHERE TO USE

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

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

ADVANTAGES

- Excellent Working Time
- Cures and Adheres on Dry or Damp Concrete Surfaces
- Applicable and Curable Down to 35°F
- Primer and Top Coat 100% Solids, Low Viscosity
- Easy System to Apply
- Nearly No Odor During Application
- USDA and FDA Compliance
- Applied with Squeegee and Roller
- Maintains ESD Performance over the Wear Life of the Floor.
- Does Not Depend on Relative Humidity for Conductivity Properties.
- Non-Blush System
- Economical System
- Excellent Color Selection
- Easy to Maintain and Clean
- Non-Skid 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, Electrostatic Dissipating (ESD) and Conductive (CD) Overlays.

LIMITATIONS

- DO NOT APPLY ON WET OR WATER SATURATED CONCRETE SURFACES.
- Do Not Apply when Substrate Temperature is below 35°F (2°C).
- 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.

352-353.1-2 12/00 Replaces 3/00

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 SparkShield, ESD Protective Overlay System

COLOR AND SURFACE PROFILES

- Primer – Color Black
- Top Coat is Available in ten (10) Attractive Standard Colors
- A variety of Surface Profiles, from a glossy smooth finish to a textured Orange Peel Look is available.

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 flow-ability 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.

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.

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

352-353..2-2