

COLOREX® SD/EC TECHNICAL DATA

1. PRODUCT NAME / MANUFACTURER

1.1 Product:

ColoRex® SD/EC conductive/static dissipative vinyl tile resilient floor covering

1.2 Manufacturer:

Forbo Flooring Systems
 Humboldt Industrial Park
 Hazleton, PA 18202
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1.3 Product Description:

Construction: ColoRex® SD/EC is a homogeneous product sliced from a pressed vinyl block to assure a highly flexible tile of dense construction. ColoRex® SD/EC is dimensionally stable, extremely hard wearing and has a completely non-directional pattern.

1.4 Physical Characteristics: (dimensions are approximate)

Size ----- 24.2" x 24.2" (61.5 cm x 61.5 cm)
 Gauge----- 0.080" (2.0 mm)
 Packaging----- 14 tiles (56.94 feet², 5.29 meters²)

2. PRODUCT PERFORMANCE AND TECHNICAL DATA

2.1 Reference Specification:

Meets or exceeds all technical requirements as set forth in ASTM F 1700, Standard Specification for Solid Vinyl Floor Tile.
 Class 1, Type A

2.2 Environmental:

Compliant with CHPS 01350 requirements for VOC emissions and indoor air quality.
 Contributes to LEED® v4 credits.

2.3 Electrical Resistance:

ColoRex® SD/EC meets the following surface to ground ranges when tested in accordance to ASTM F 150, NFPA 99, and/or EOS/ESD S7.1
 ColoRex® SD: 1 x 10⁶ – 10⁸ ohms surface to ground
 ColoRex® EC: 5 x 10⁴ – 1 x 10⁶ ohms surface to ground

2.4 Static Load Limit:

1,500 pounds per square inch when tested in accordance with ASTM F 970-00, Standard Test Method for Static Load Limit.

2.5 Slip Resistance:

Meets or exceeds the industry recommendation of >0.5 for flat surfaces when tested in accordance with ASTM D 2047, Standard Test Method for Static Coefficient of Friction.

2.6 Castor Resistance:

Suitable for office chairs with castors when tested in accordance with EN 425, Castor Chair Test.

2.7 Fire Testing:

Class 1 when tested in accordance with ASTM E 648/NFPA 253, Standard Test Method for Critical Radiant Flux.
 Meets 450 or less when tested in accordance with ASTM E 662/ NFPA 258, Standard Test Method for Smoke Density.
 FSR – 55; SDC – 200 when tested in accordance to CAN/ULC S102.2, Standard Test Method for Flame Spread Rating and Smoke Development of Flooring Materials.

2.8 Chemical Resistance: (Exposure Time: One Hour)*

Sulfuric Acid (Concentrate) 95%	No Effect
Sulfuric Acid (77%)	No Effect
Sulfuric Acid (5%)	No Effect
Nitric Acid (Concentrate)	Very Slight Surface Attack
Nitric Acid (5%)	No Effect
Hydrochloric Acid (Concentrate)	No Effect
Hydrochloric Acid (5%)	Very Slight Dulling
Acetic Acid (5% or Concentrate)	No Effect
Sodium Hydroxide (50%)	No Effect
Ammonium Hydroxide (28%)	No Effect
Methyl, Ethyl, & Butyl Alcohol	No Effect
Phenol, Cresol	Very Slight Surface Attack
Benzene, Xylene, Trichlorethylene	No Effect
Gasoline, Mineral Oil, Vegetable Oil	No Effect
Chloroform, Carbon Tetrachloride	No Effect
Methyl Ethyl Ketone	Slight Surface Dulling
Acetone, Amyl Acetate, Ethyl Acetate	No Effect
Silver Nitrate (40%)	Slight Brown Stain
Ethyl Ether	No Effect
Formaldehyde (40%)	No Effect
Iodine	Yellow Stain

Tested in accordance with ASTM F 925, Standard Test Method for Resistance to Chemicals of Resilient Flooring.

*Most stains may be removed by light sanding.

3. INSTALLATION

3.1 Adhesive:

Use Forbo C 930 conductive adhesive.
 Use a 1/16" x 1/16" x 1/16" square notch trowel.
 Spread Rate: Approximately 125 square feet/gallon.

3.2 Heat Welding (OPTIONAL):

For seamless, hygienic watertight installation requirements, use Forbo ColoRex® SD/EC welding rod.
 Welding rod dimensions: 4 mm; 165 linear feet per spool.

3.3 Flash Coving (OPTIONAL):

Flash cove up walls to the desired height. Use Forbo C 930 adhesive.

4. WARRANTY

Limited 20-year product warranty. Lifetime conductivity warranty, restrictions apply. For complete details, contact Forbo Flooring.