

FORBO COLOREX® SD/EC TECHNICAL DATA

1. PRODUCT NAME & MANUFACTURER

1.1 Product:

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

1.2 Manufacturer:

Forbo Flooring Systems
Humboldt Industrial Park
Hazleton, PA 18202

www.forboflooringNA.com

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1.3 Product Description:

Construction: Forbo Colorex® SD/EC is a homogeneous product sliced from a pressed vinyl block to assure a highly flexible tile of dense construction. Forbo 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 or 5.29 meters²)

2. PRODUCT PERFORMANCE & 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 CDPH 01350 requirements for VOC emissions and indoor air quality.

Forbo Colorex® SD/EC contributes to LEED® v4 credits.

For additional information, contact Forbo Flooring Systems.

2.3 Electrical Resistance:

Forbo 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

Forbo Colorex® SD: 1 x 10⁶ – 10⁸ ohms surface to ground

Forbo Colorex® EC: 5 x 10⁴ – 1 x 10⁶ ohms surface to ground

2.4 Static Load Limit:

Residual compression of 0.001" with 250 pounds per square inch when tested in accordance with ASTM F 970-17, 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 – 1h)*

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, Trichlorethlene.....	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 Forbo T 940 or Forbo 660 for non-conductive.

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 for conductive or Forbo T 940 or Forbo 660 for non-conductive.

3.4 Installation Guidelines:

Refer to Forbo's Installation Guidelines for complete installation recommendations.

4. WARRANTY

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

5. CARE & CLEANING

Refer to Forbo's Floor Care Guidelines for complete care recommendations.