

# 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 US  
8 Maplewood Drive  
Hazleton, PA 18202  
1-800-842-7839

Forbo Flooring Systems Canada  
3983 Nashua Drive, Unit 1  
Mississauga, ON L4V 1P3  
1-800-268-8108 (English)  
1-800-567-9268 (French)

[www.forboflooringNA.com](http://www.forboflooringNA.com)

### 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 feet<sup>2</sup> or 5.29 meters<sup>2</sup>)

## 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 v4.1 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:  $1 \times 10^6 - 10^8$  ohms surface to ground

Forbo Colorex EC:  $5 \times 10^4 - 1 \times 10^6$  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 ISO 4918, Castor Chair Continuous Use 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 – 100; SDC – 175 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)\*

Acetic Acid (5%)----- Surface Dulling and Color Change

Acetone ----- Surface Attack and Slight Color Change

Ammonia (5%) ----- No Change

Betadine ----- Surface Dulling and Color Change

Bleach ----- No Change

Brown or Black Hair Dye ----- Slight Color Change

Brown or Black Shoe Polish ----- Slight Color Change

Gasoline ----- No Change

Gel Hand Sanitizer ----- No Change

Hot Chili Paste ----- Slight Surface Dulling and Color Change

Hydrochloric Acid (5%) ----- Slight Surface Dulling and Color Change

Iodine ----- Slight Color Change

Isopropyl Alcohol (70%) ----- No Change

Kerosene ----- Slight Surface Dulling and Color Change

Methylene Blue ----- No Change

Mineral Oil ----- No Change

Olive Oil ----- No Change

Phenol (5%) ----- No Change

Sodium Hydroxide (5%) ----- No Change

Sodium Hypochlorite (5%) ----- No Change

Sulfuric Acid (5%) ----- Surface Dulling and Color Change

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 for conductive installations. Use Forbo Sustain 1195 for non-conductive installations.

### 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 for conductive installations. Use Forbo Sustain 1195 for non-conductive installations.

### **3.4 Installation Guidelines:**

Forbo does NOT recommend the application of adhesive tape on Colorex. Adhesive tape may cause damage to the factory coating of resilient flooring products. When using floor protection materials, tape the seams of the floor protection together and secure the floor protection by weighing down in corners and against walls. DO NOT secure floor protection materials by taping them directly to the surface of resilient floor coverings.

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.