

# FORBO FLOTEX MODULAR TECHNICAL DATA

## 1. PRODUCT NAME & MANUFACTURER

### 1.1 Product:

Forbo Flotex high performance modular 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 Flotex is a flocked textile floor covering has 100% nylon type wear layer with an intermediate fiberglass layer and a recycled vinyl cushioned backing.

### 1.4 Physical Characteristics:

(dimensions are approximate)

Size----- Approx. 19.69" x 19.69" (50 cm x 50 cm)

----- Approx. 9.8" x 39.37" (25 cm x 100 cm)

Gauge ----- 0.19" (5.0 mm)

Packaging ----- 19.69" x 19.69": 12 tiles (32.3 ft<sup>2</sup>, 3 m<sup>2</sup>)

----- 9.8" x 39.37": 10 planks (26.91 ft<sup>2</sup>, 2.5m<sup>2</sup>)

## 2. PRODUCT PERFORMANCE & TECHNICAL DATA

### 2.1 Environmental:

Compliant with CDPH 01350 requirements for VOC emissions and indoor air quality.

Forbo Flotex contributes to LEED v4.1 credits. For additional information, contact Forbo Flooring Systems.

### 2.2 Wear Layer Density:

Over 70,000,000 fibers per square meter.

### 2.3 Durability/Appearance Retention:

Wear Layer Composition is 6.6 nylon type.

Class 4 (heavy duty) when tested in accordance with EN 1307, Classification of Pile Carpets (Wear Classification). Achieves over 60,000 cycles when tested in accordance with the Wira Abrasion Test.

Achieves 95% recovery in 24 hours; 100% in one week when tested in accordance with ISO 3416-86, Determination of Thickness Loss after Prolonged Heavy Static Loading.

Achieves a Texture Appearance Retention Rating of 4.5 when tested in accordance with ASTM D5252, Hexapod Tumble Drum Test.

### 2.4 Castor Resistance:

Suitable for office chairs with castors when tested in accordance with ISO 4918, Castor Chair Test.

### 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. Suitable for use on flat or inclined surfaces.

### 2.6 Colorfastness:

No color change when tested in accordance with AATCC 107, Colorfastness to Water.

No color change when tested in accordance with AATCC 16, Colorfastness to Light (Option 3).

Very slight color change when tested in accordance with AATCC 165, Colorfastness to Crocking Wet & Dry.

### 2.7 Acoustical Properties:

ΔLw = 21db when tested in accordance with ISO 10140-3, measurement of the reduction of transmitted impact noise by floor coverings on a heavyweight standard floor.

0.10 when tested in accordance with ISO 354, Measurement of Sound Absorption in a Reverberation Room.

IIC 49 when tested in accordance with ASTM E 492, Standard Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor/Ceiling Assemblies using the Tapping Machine.

### 2.8 Bounce Rebound:

99.7% average rebound when tested in accordance with ASTM F 2117, Standard Test Method for Vertical Rebound Characteristics of Sports Surface.

### 2.9 Hygienic:

Forbo Flotex is a supplement to and not a substitute for standard infection control practices and has been shown to reduce microbial contamination based on Independent Laboratory Testing.

### 2.10 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.

Passes when tested in accordance with ASTM D 2859, Standard Test Method for Ignition characteristics of Finished Textile Floor Coverings (Pill Test).

FSR – 195; SDC – 355 when tested in accordance with CAN/ULC S102.2, Standard Test Method for Flame Spread Rating and Smoke Development.

### 2.11 Electrostatic Propensity:

1.6 Kv when tested in accordance with AATCC 134, Electrostatic Propensity of Carpets.

### 2.12 Electrical Properties:

0.1 Kv when tested in accordance with ISO 6356, Assessment of Static Electrical Propensity.

>10<sup>9</sup> ohms when tested in accordance with ISO 10965, Determination of Electrical Resistance.

### **3. INSTALLATION**

#### **3.1 Adhesive:**

Use Forbo FRT 950, Forbo FST 1299, Forbo T 940, Forbo Sustain 1195, Forbo FRS 885 or Forbo 660 adhesive.

#### **3.2 Installation Guidelines:**

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

### **4. WARRANTY**

Limited 20-year warranty. For complete details, contact Forbo Flooring.

### **5. CARE & CLEANING**

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