

# FORBO FLOTEX FR SHEET TECHNICAL DATA

## 1. PRODUCT NAME & MANUFACTURER

### 1.1 Product:

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

### 1.4 Physical Characteristics:

(dimensions are approximate)

Gauge ----- 0.13" (3.3 mm)  
Backing----- Closed cell vinyl cushion  
Width ----- 79" (2 meters)  
Length----- 98.4' (30 meters)  
Roll Size ----- 71.76 yards<sup>2</sup> (60 meters<sup>2</sup>)

Forbo Flotex Sheet has a pattern repeat. Please refer to the "Pattern Repeat for Forbo Flotex Sheet Collections" Technical Bulletin for additional information.

## 2. PRODUCT PERFORMANCE & TECHNICAL DATA

### 2.1 Environmental:

Compliant with CDPH 01350 requirements for VOC emissions and indoor air quality.  
Forbo Flotex FR 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 Castor Resistance:

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

### 2.4 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.

### 2.5 Hygienic:

Forbo Flotex FR 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.

### 2.6 Electrical Properties:

<2 Kv when tested in accordance with ISO 6356, Assessment of Static Electrical Propensity.  
10<sup>10</sup> ohms when tested in accordance with ISO 10965, Determination of Electrical Resistance.

### 2.7 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.

### 2.8 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. Class B when tested in accordance with ASTM E 84 / NFPA 255, Standard Test Method for Surface Burning Characteristics.  
FSR – 85; SDC – 145 when tested in accordance with CAN/ULC S102.2, Standard Test Method for Flame Spread Rating and Smoke Development.  
IMO Resolution 307 (88) Annex 1 Part 2.  
IMO Resolution 307 (88) Annex 1 Part 5.  
CENT S 45545-2, Fire Protection on Railway Vehicles Part 2, Requirements for Fire Behavior of Materials and Components.  
BS 8653 Annex D, Smoke Development for Railway Vehicles.  
BS 6853 Annex B, Toxicity Rest for Railway Passenger Carrying Trains.  
BS 476 Part 7, Method for Classification of the Surface Spread of Flame of Products.  
DIN 5510-2:2009, Fire Behavior and Fireside Effects of Material and Parts in Railway Vehicles.  
ISO 9239, Determination of the Burning Behavior of Flooring Products Using a Radiant Heat Source.

## 3. INSTALLATION

### 3.1 Adhesive:

Use Forbo FRS 885, Forbo Sustain 1195, Forbo FST 1299 or Forbo 660 adhesive.

### 3.2 Flash Coving (OPTIONAL):

Flash cove up walls to the desired height. Use Forbo FRS 885, Forbo Sustain 1195, or Forbo FST 1299 adhesive.

### 3.3 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.