

# FORBO ETERNAL TECHNICAL DATA

## (MATERIAL, WOOD)

### 1. PRODUCT NAME & MANUFACTURER

#### 1.1 Product:

Forbo Eternal vinyl sheet 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 Eternal vinyl sheet floorcoverings have a highly compressed homogeneous vinyl wearlayer with a high-performance urethane top coat. A glass fiber interlayer, to ensure dimensional stability, and a calendared CDF backing support the wearlayer.

#### 1.4 Physical Characteristics:

(dimensions are approximate)

Gauge ----- 0.080" (2.0 mm)  
Width ----- 79" (2 meters)  
Wear layer ----- 0.0275" (0.7 mm)  
Length ----- 82' (25 meters)  
Roll Size ----- 60 yards<sup>2</sup> (50 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 1303, Standard Specification for Vinyl Sheet Floor Covering with Backing  
Type 1, Grade 1, Class B Backing

#### 2.2 Environmental:

Compliant with CDPH 01350 requirements for VOC emissions and indoor air quality.  
Forbo Eternal contributes to LEED v4.1 credits. For additional information, contact Forbo Flooring Systems.

#### 2.3 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.

#### 2.4 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.

#### 2.5 Castor Resistance:

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

#### 2.6 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 – 165; SDC – 200 when tested in accordance with CAN/ULC S102.2, Standard Test Method for Flame Spread Rating and Smoke Development.

#### 2.7 Chemical Resistance: (Exposure Time – 1h)

Acetic Acid (5%)	-----	No Effect
Acetone	-----	No Effect
Ammonia (5%)	-----	No Effect
Betadine	-----	No Effect
Bleach	-----	No Effect
Brown or Black Hair Dye	-----	No Effect
Brown or Black Shoe Polish	-----	No Effect
Gasoline	-----	No Effect
Gel Hand Sanitizer	-----	No Effect
Hot Chili Paste	-----	No Effect
Hydrochloric Acid (5%)	-----	No Effect
Iodine	-----	Moderate Color Change
Isopropyl Alcohol (70%)	-----	No Effect
Kerosene	-----	No Effect
Methylene Blue	-----	No Effect
Mineral Oil	-----	No Effect
Olive Oil	-----	No Effect
Phenol (5%)	-----	Slight Color Change
Sodium Hydroxide (5%)	-----	No Effect
Sodium Hypochlorite (5%)	-----	No Effect
Sulfuric Acid (5%)	-----	No Effect

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

### 3. INSTALLATION

#### 3.1 Adhesive:

Use Forbo V 1190, Forbo Sustain 1195 or Forbo 660 adhesive.

#### 3.2 Heat Welding:

Seams must be heat welded. Use only Forbo Eternal 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 V 1190, or Forbo Sustain 1195 adhesive.

#### 3.4 Installation Guidelines:

Forbo does NOT recommend the application of adhesive tape on Eternal. 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 10-year warranty. For complete details, contact Forbo Flooring.

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

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