FLOORING SYSTEMS

FORBO SPHERA TECHNICAL DATA

(ELEMENT, ENERGETIC)

1. PRODUCT NAME & MANUFACTURER

1.1 Product:

Forbo Sphera homogeneous vinyl 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

1.3 Product Description:

Construction: Forbo Sphera is a homogeneous vinyl sheet floorcovering that is made of low emitting, 100% phthalate free materials. It has a uniquely embossed SMART-top surface, which provides a high resistance to chemicals, scratches and stains.

1.4 Physical Characteristics:
(dimensions are approximate)

Gauge ---------- 0.080" (2.0 mm)
Width ---------- 79" (2 meters)
Length ---------- 88' (26.8 meters)
Roll Size ---------- 64 yards^2 (58.5 meters^2)

2. PRODUCT PERFORMANCE & TECHNICAL DATA

2.1 Reference Specification:

Meets or exceeds all technical requirements as set forth in ASTM F 1913, Standard Specification for Vinyl Sheet Floor Covering without Backing.

2.2 Environmental:

Compliant with CHPS 01350 requirements for VOC emissions and indoor air quality.
Forbo Sphera 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 – 40; SDC – 85 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 Change
Acetone ---------- No Change
Ammonia (5%) ---------- No Change
Betadine ---------- No Change
Bleach ---------- No Change
Brown or Black Hair Dye ---------- No Change
Brown or Black Shoe Polish --------Moderate Color Change
Gasoline ---------- No Change
Gel Hand Sanitizer ---------- No Change
Hot Chile Paste ---------- No Change
Hydrochloric Acid (5%) ---------- No Change
Iodine ---------- Severe Color Change
Isopropyl Alcohol (70%) ---------- No Change
Kerosene ---------- No Change
Methylene Blue ---------- No Change
Mineral Oil ---------- No Change
Olive Oil ---------- No Change
Phenol (5%) ---------- No Change
Sodium Hydroxide (5%) ---------- No Change
Sulfuric Acid (5%) ---------- No Change

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 Sphera 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 Sphera. 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 Systems.

5. CARE & CLEANING

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