

# FORBO MARMOLEUM CINCH LOC SEAL TECHNICAL DATA

## 1. PRODUCT NAME & MANUFACTURER

### 1.1 Product:

Forbo Marmoleum Cinch LOC SEAL floating floor covering.

### 1.2 Manufacturer:

Forbo Flooring Systems  
Humboldt Industrial Park  
Hazleton, PA 18202

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

Phone: +1-800-842-7839 (US)

+1-800-268-8108 (CA)

Fax: +1-570-450-0258



topshield

### 1.3 Product Description:

Construction: Forbo Marmoleum Cinch LOC SEAL has a 2.5 mm thick top layer of Marmoleum, which is made from natural ingredients including linseed oil, rosin binders, wood flour, limestone and dry pigments which are mixed and then calendared onto a natural jute backing. The Marmoleum is adhered to a 6.8 mm thick HDF panel with a 1.0 mm thick cork backing. The Marmoleum is coated with Forbo Topshield – Topshield is a high-performance finish. Its double UV cured double layer technology delivers extraordinary performance and clear and vibrant colors that remain over time. Topshield creates a ‘ready to use’ Marmoleum that requires no initial maintenance or polymer application. The surface can be repaired or refreshed in cases of accidents or after years of intensive use.

#### Physical Characteristics:

##### (dimensions are approximate)

Panel-----11.81" x 35.43" (300 mm x 900 mm)

Square-----11.81" x 11.81" (300 mm x 300 mm)

Thickness-----3/8" (9.8 mm)

Base Material-----HDF Panel Board

Packaging-----Panels: 7 per carton - 20.3 ft<sup>2</sup> (1.89 m<sup>2</sup>)

Squares: 7 per carton - 6.7 ft<sup>2</sup> (0.63 m<sup>2</sup>)

## 2. PRODUCT PERFORMANCE & TECHNICAL DATA

### 2.1 Environmental:

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

The composite wood core material meets both CARB ATCM Phase 2 and US EPA TSCA Title VI.

Forbo Marmoleum Cinch LOC SEAL contributes to LEED v4.1 credits. For additional information, contact Forbo Flooring Systems.

### 2.2 Static Load Limit:

Residual compression of 0.004" with 250 pounds per square inch when tested in accordance with ASTM F 970-17, Standard Test Method for Static Load Limit.

### 2.3 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.

### 2.4 Castor Resistance:

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

### 2.5 Impact Sound Reduction:

IIC 64 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.

### 2.6 Resistance to Bacteria:

Provides a self-sanitizing quality in the form of a bactericidal effect. Independent testing has shown that a sterile zone around the material inhibits the growth of organisms such as staphylococcus aureas and Clostridium difficile.

### 2.7 Anti-Static Properties:

Naturally anti-static. This property makes cleaning easier because dirt and dust does not cling to the surface as it may with other materials.

### 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.

### 2.9 Cigarette Resistance:

Resists cigarette burns. Burning cigarettes will leave only a brown mark, which can be rubbed out using steel wool or a scouring pad.

### 2.10 Chemical Resistance:

#### (Exposure Time – 1h)\*

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

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

\*Forbo Marmoleum Cinch LOC SEAL is NOT resistant to prolonged exposure to high alkalis.

### **3. INSTALLATION**

#### **3.1 Installation Guidelines:**

Forbo does NOT recommend the application of adhesive tape on Marmoleum. 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 25-year residential warranty or a limited 5-year commercial warranty. For complete details, contact Forbo Flooring Systems.

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

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