1. PRODUCT NAME & MANUFACTURER

1.1 Product:  
Forbo Marmoleum® Decibel linoleum sheet resilient floor covering

1.2 Manufacturer:  
Forbo Flooring Systems  
Humboldt Industrial Park  
Hazleton, PA 18202  
www.forboflooringNA.com  
Phone: +1-800-842-7839 (US)  
+1-800-268-8108 (CA)  
Fax: +1-570-450-0258

1.3 Product Description:  
Construction: Forbo Marmoleum® Decibel is a homogeneous floor covering made from natural ingredients including flax seed oil, rosin binders, wood flour, limestone and dry pigments which are mixed and then calendared onto a natural jute backing with an applied polyolefin comfort layer. Topshield2™ is a high performance finish. Its double UV cured double layer technology delivers extraordinary performance and clear and vibrant colors that remain over time. Topshield2™ 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.

1.4 Physical Characteristics:  
(dimensions are approximate)  
Gauge ----------------------0.137” (3.5 mm)  
Backing ---------------------Jute/Polyolefin Foam  
Width ----------------------79” (2 meters)  
Length ---------------------105’ (32 meters)  
Roll Size -------------------77 yards (64 meters²)

2. PRODUCT PERFORMANCE & TECHNICAL DATA

2.1 Reference Specification:  
Meets or exceeds all technical requirements as set forth in ASTM F 2034 Standard Specification for Linoleum Sheet Flooring, Type III

2.2 Environmental:  
Compliant with CDPH 01350 requirements for VOC emissions and indoor air quality.  
Forbo Marmoleum® Decibel contributes to LEED® v4 credits. For additional information, contact Forbo Flooring Systems.

2.3 Static Load Limit:  
Residual compression of 0.008” 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 EN 425, Castor Chair Test.

2.6 Impact Sound Reduction:  
17dB when tested in accordance with ISO 717-2, Impact Sound Insulation Test.  

2.7 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.

2.8 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.

2.9 Fire Testing:  

2.10 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.
2.11 Chemical Resistance:
(Exposure Time – 1h)*
Diluted Acids – Sulfuric, Nitric, Hydrochloric, Acetic,
Lactic, Citric .................................................. No Change
Isopropyl Alcohol (70%) ...................................... No Change
Sodium Hydroxide (5%) ....................................... Softening
Ammonia (5%), Acetone —— Possible Softening/Staining
Soda Solution, Soap Solution
(Slightly Alkaline) -------------------------------------- No Change
Gasoline, Kerosene, White Spirit, Paraffin —— No Change
Benzene, Toluene, Methyl Alcohol,
Ethyl Acetate ———— No Change
Methyl Ethyl Ketone, Ether, Phenol (5%) —— No Change
Mineral Oil, Olive Oil, Vegetable Oil,
Animal Fat ...................................................... No Change
Blood, Urine, Excrement ....................................... No Change
Formaldehyde, Hydrogen Peroxide 3% —— No Change
Hot Chili Paste, Iodine, Betadine, Hair Dye —— No Change
Shoe Polish, Lipstick ———— Staining
Silver Nitrate ———— Staining/Possible Softening
Bitumen, Salt Water ———— No Change
Methylene Blue .................................................. Staining
Gel-Based Hand Sanitizer, Bleach ———— No Change
Tested in accordance with ASTM F 925, Standard Test
Method Resistance to Chemicals of Resilient Flooring.
*Forbo Marmoleum® Decibel is NOT resistant to
prolonged exposure to high alkalis.

3. INSTALLATION

3.1 Adhesive:
Use Forbo L 885, Forbo Sustain 1195 or Forbo 660 adhesive.

3.2 Heat Welding:
Heat welding is not necessary for all installations,
however it is optional. For seamless, hygienic watertight
installation requirements, use Forbo Marmoweld welding
rod.
Welding rod dimensions: 4 mm; 165 linear feet per spool.

3.3 Heat Welding Is Not Required:
Forbo Marmoweld... EZ to use is a color-matched sealant
used to complete the installation of Forbo Marmoleum®
in place of heat welding. To use, sparingly apply Forbo
Marmoweld... EZ to use to all seams on the floor with a 1”
(2.54cm) putty knife or plastic applicator. Ensure there
are no sharp or damaged edges on the applicator that
might scratch or damage the Forbo Marmoleum®. Wipe
all excess Forbo Marmoweld... EZ to use off the surface of
the Forbo Marmoleum® with a clean, damp white cloth.

3.4 Flash Coving (OPTIONAL):
Flash cove up walls to the desired height. Use Forbo
L 885, Forbo Sustain 1195 or Forbo 660 adhesive.

3.5 Installation Guidelines:
Refer to Forbo’s Installation Guidelines for complete
installation recommendations.

4. WARRANTY
Limited 30-year warranty. For complete details, contact
Forbo Flooring.

5. CARE & CLEANING
Refer to Forbo’s Floor Care Guidelines for complete care
recommendations.