



871 Smooth Design Landing Mat

PRODUCT SUBMITTAL

Finish	Smooth
Nominal Dimensions	27" (68.6 cm) x 27" (68.6 cm) x 1/8" (3.2 mm)
Color Palettes	Marbleized
ASTM F1344 - Rubber Floor Tile	Type I, B, Grade 1
ASTM E648 (NFPA 253) - Critical Radiant Flux	Class 1, $\geq 0.45 \text{ W/cm}^2$
ASTM E662 (NFPA 258) - Smoke Density	Passes, ≤ 450
CAN/ULC-S102.2 - Surface Burning	115 Flame Spread Rating, 275 Smoked Developed Classification
ASTM D2047 - Static Coefficient of Friction	≥ 0.50
<i>ADA Standards for Accessible Design states the floor surface shall be stable, firm and slip resistant. Our test results utilize the James Machine as described in D2047 and as described in UL410 for floor covering materials (FCM) utilizing a leather foot under dry conditions. Maintenance processes and commonly utilized site applied finishes, polishes and other sealers to maintain resilient flooring products will change the walking surface and ultimately the Static Coefficient of Friction.</i>	
ASTM F970 - Static Load Resistance	Passes, $< 0.005"$ Indentation @ 250 psi
ASTM F970 - Static Load Resistance, Modified	Passes, $\leq 0.005"$ Indentation @ 1100 psi
<i>ASTM F970 testing at loads above 250 psi is outside the scope of the test method. Since testing is conducted on flooring product alone, our stated results do not take into consideration chosen adhesive, any utilized underlayments and/or substrates or subfloors. These results should not be construed as an indicator of installed flooring performance.</i>	
ASTM F925 - Chemical Resistance	Excellent with chemicals listed in standard, Additional chemicals available via chart
<i>ASTM F925 testing is utilized to ensure flooring materials will stand up to certain household standard chemistries. Additional chemical resistance testing performed using this test method is for informational and guidance purposes only. Proper maintenance will have an effect on chemical resistance, but the best defense against a negative effect is to clean the drop/spill from the flooring surface immediately.</i>	
ASTM G21 - Resistance to Fungi	Excellent
ASTM D3389 - Abrasion Resistance	Excellent, $\leq 1 \text{ g loss}$ (after 1000 cycles)
ISO 4918 - Castor Chair Test	Excellent, No damage or separation after 25,000 cycles
ASTM F2199 - Dimensional Stability	Excellent, $\leq 0.15\%$
ASTM F1514 - Heat Stability	Excellent, $\Delta E \leq 8$
Acoustical Performance - 6 Inch Concrete Slab	
ASTM E2179 - Sound Reduction ΔIIC 9	
Acoustical Performance - 6 Inch Concrete Slab / Ceiling Assembly	
ASTM E492 - Impact Insulation Class IIC 51	
ASTM E90 - Sound Transmission Class STC 63	
<i>The above testing information is provided for informational and guidance when selecting flooring materials. Since testing is conducted on flooring product with or without underlayments and over laboratory substrates these results should not be construed as an indicator or installed flooring performance.</i>	
Acclimation Time	48 Hours
Service & Storage Temperature	60° - 85° F
<i>See installation document for full installation details regarding approved substrates, job site conditions and acclimation procedures.</i>	
Product Warranty	10 Year Commercial Warranty
<i>See product warranty for full details regarding limitations and warranty coverage.</i>	



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Recommended Adhesives

Excelsior AW-510, Wet-Set Acrylic
Excelsior PS-525, Modified Pressure Sensitive
Excelsior U-705, Urethane Wet-Set
Excelsior EW-710, Urethane Enhanced Epoxy Adhesive

Attributes & Certifications

Made in the U.S.A.
Meets Buy America Act (49 CFR Part 661, 49 U.S.C. 5323)
Meets Buy American Act (7 CFR Part 1787, 41 U.S.C 8301-8305)
Meets Federal Acquisition Regulation (FAR 52.225-9)
Contributes to LEED v4/4.1
GREENGUARD Gold Certification
FloorScore Certification
Meets CA 01350 Requirements
Meets CHPS Requirements
NSF/ANSI 332 Platinum Certification
EPD Available
HPD Available
Contains No Recycled Content
Red List Chemical Free
Recyclable through the Roppe Impact Program

Technical Support

solutions@rhctechnical.com

Product Support

sales@roppe.com

Technical Documentation

www.roppe.com

