Compass Luxury Vinyl Flooring

TECHNICAL DATA

Finish	Embossed UV Cured Ceramic Reinforced Urethane
Nominal Dimensions	6" x 48" x 3 mm Planks, 18 per carton 12" x 24" x 3 mm Tiles, 18 per carton 18" x 18" x 3 mm Tiles, 16 per carton
Wear Layer Thickness	28 mil (0.028")(0.7 mm)
ASTM F1700 - Solid Vinyl Tile	Class III, Type B
ASTM E648 (NFPA 253) - Critical Radiant Flux	Class 1, ≥ 0.45 W/cm^2
ASTM E662 (NFPA 258) - Smoke Density	Passes, ≤ 450
CAN/ULC-S102.2 - Surface Burning	50 Flame Spread Rating, 150 Smoke Developed Classification
ASTM D2047 - Static Coefficient of Friction	≥ 0.50

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.

ASTM F970 - Static Load Resistance	Passes, < 0.005" Indentation @ 250 psi
ASTM F970 - Static Load Resistance, Modified	Passes, ≤ 0.005" Indentation @ 2000 psi

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.

ASTM F925 - Chemical Resistance	Excellent with chemicals listed in standard, Additional chemicals available via chart

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.

ASTM F1914 - Residual Indentation	Excellent, ≤ 8% after 24 hour recovery
ASTM F2199 - Dimensional Stability	Excellent, ≤ 0.020" per linear foot
ASTM F1514 - Heat Stability	Excellent, $\Delta E \leq 8$
ASTM F1515 - Light Stability	Excellent, $\Delta E \leq 8$
ISO 4918 - Castor Chair Test	Excellent, No damage or separation after 25,000 cycles
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 Meets CA 01350 Requirements Meets CHPS Requirements EPD Available

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TECHNICAL DATA

Contains No Recycled Content

100% Recyclable

Acoustical Performance - 6 Inch Concrete Slab	
ASTM E492 - Impact Insulation Class	IIC ≤ 45
ASTM E90 - Sound Transmission Class	STC ≤ 45
Acoustical Performance - 6 Inch Concrete Slab / Excelsior CSU-400 Underlayment	
ASTM E492 - Impact Insulation Class	IIC ≤ 50
ASTM E90 - Sound Transmission Class	STC ≤ 53
Acoustical Performance - 6 Inch Concrete Slab / Ceiling Assembly / Excelsior CSU-400 Underlayment	
ASTM E492 - Impact Insulation Class	IIC ≤ 66
ASTM E90 - Sound Transmission Class	STC ≤ 62
Acoustical Performance - 6 Inch Concrete Slab / Ceiling Assembly / Excelsior FSU-410 Underlayment	
ASTM E492 - Impact Insulation Class	IIC ≤ 66
ASTM E90 - Sound Transmission Class	STC ≤ 62
Acoustical Performance - 8 Inch Concrete Slab / Ceiling Assembly / Excelsior CSU-400 Underlayment	
ASTM E492 - Impact Insulation Class	IIC ≤ 53
ASTM E90 - Sound Transmission Class	STC ≤ 57
Acoustical Performance - 8 Inch Concrete Slab / Ceiling Assembly / Excelsior FSU-410 Underlayment	
ASTM E492 - Impact Insulation Class	IIC ≤ 54
ASTM E90 - Sound Transmission Class	STC ≤ 55
Acoustical Performance - 18 Inch Open Web Truss / Gypsum Topping / Excelsior CSU-400 Underlayment	
ASTM E492 - Impact Insulation Class	IIC ≤ 52
ASTM E90 - Sound Transmission Class	STC ≤ 56
Acoustical Performance - 18 Inch Open Web Truss / Gypsum Topping / Excelsior FSU-410 Underlayment	
ASTM E492 - Impact Insulation Class	IIC ≤ 51
ASTM E90 - Sound Transmission Class	STC ≤ 58

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.

Acclimation Time	48 Hours
Service & Storage Temperature	60° - 85° F

See installation document for full installation details regarding approved substrates, job site conditions and acclimation procedures.

Product Warranty	20 Year Commercial, Lifetime Residential/Multi-Family

See product warranty for full details regarding limitations and warranty coverage.

Recommended Adhesives	Excelsior SP-500, Pressure Sensitive Spray Adhesive Excelsior AW-510, Wet-Set Acrylic Excelsior AP-520, Pressure Sensitive Roll/Trowel Excelsior PS-525, Modified Pressure Sensitive Excelsior U-705, Urethane Wet-Set Excelsior EW-710, Urethane Enhanced Epoxy Adhesive
Technical Support	solutions@rhctechnical.com
Product Support	support@sixdegreesflooring.com
Technical Documentation	www.sixdegreesflooring.com