



Castle II Collection – SolutionCore Flooring

Specification Sheet

PRODUCT INFORMATION						
Construction						
Extruded Vinyl Core	Residential & Commercial					
Pre-Attached Underlayment	1.5mm IXPE					
Use	Residential & Commercial					
Size	7" X 72" Plank					
Wear Layer	28mil					
Finish	Aluminum Oxide					
Gauge	6.5mm					
Packaging						
Piecs/Carton	10					
Coverage/Piece	2.34 Sq.Ft					
Coverage/Carton	23.36 Sq.Ft					
Coverage/Pallet	55 Cartons (1366.94 Sq.Ft)					
Coverage/Container	16 Pallets (23,237.9 Sq.Ft)					
Warranty						
Limited Warranty	Lifetime Residential / 10-Year Light Commercial					
NORTH AMERICAN STANDARDS – SAFETY & PERFORMANCE						
Standard	Description	Requirements	Results			
ASTM E648	Radiant Panel (Crtical Radiant Flux)	Class 1:≥0.45 W/cm²	Passes Requirements			
ASTM E662	Smoke Density	Flaming & Non-Flaming ≤450	Passes Requirements			
ASTM D2047	Coefficient of Friction (Slip Resistance)	N/A	≥0.6 (Dry)			
ASTM G21¹	Antifungal Activity	N/A	Top:0-1;Bottom:0			
ASTM F963	Heavy Metals	Refer to Standard	Passes Requirements			
ASTM F970	Static Load Limit	±0.005",250-Lbs.Load	≥5001b(Surpasses Requirements)			
ASTM F925	Chemical Resistance	No more than "Slight Change"	Surpasses Requirements			
ASTM F1514	Resistance to Heat	Average & Max ΔE<8.0	Surpasses Requirements			
ASTM F1515	Resistance to Light	Average & Max ΔE<8.0	Surpasses Requirements			
ASTM F410	Wear Layer Thickness	Commercial:≥20mil (0.5mm)	Passes Requirements			
ASTM D4060²	Abrasion Resistance	N/A	Average:20000 cycles			
NORTH AMERICAN STANDARDS – SOUND						
Standard	Description	Requirements	Results			
ASTM E90 & ASTM E413	Airborne Sound Transmission Loss	Sound Transmission Class (STC) ≥50	N/A			
ASTM E492 & ASTM E989	Impact Sound Transmission	Impact Insulation Class (IIC) ≥50	IIC 66(Surpasses Requirements)			
NALFA/ANSI STANDARDS (LF-01-2011) – PERFORMANCE						
Standard	Description	Class 1 (Residential)	Class 2 (Lt. Commercial)	Class 3 (Commercial)	Class 4 (Heavy Commercial.)	Meets or Exceeds
Section 3.2	Thickness Swell	≤18%	≤16%	≤16%	≤12%	Classes 4
Section 3.5	Large Ball Impact Resistance	› 800mm/31.5"	› 1000mm/39.4"	› 1200mm/47.3"	› 1400mm/55.1"	Classes 3
Section 3.6	Small Ball Impact Resistance	› 200mm/7.9"	› 200mm/7.9"	› 350mm/13.8"	› 500mm/19.7"	Classes 3
Section 3.10	Surface Bonding	1N/mm²	1.25N/mm²	1.25N/mm²	1.5N/mm²	Classes 3
NORTH AMERICAN STANDARDS –SUSTAINABILITY						
Standard(s)		Description				
FloorScore		This product is FloorScore Certified (SCS-FS-03340) .				
GreenGuard		Gold / Low Chemical Emmisions (UL COM/GG, UL2818)				