



# TECHNICAL DATA SHEET



## BLUE RIDGE SOLUTIONCORE PHYSICAL PROPERTIES & PACKAGING (12MIL WEAR LAYER)

Construction	Extruded Vinyl Core Top Layer Pre-Attached Underlayment	3.5mm Stone plastic composite 0.3mm(12mil) Wear Layer 1.0mm IXPE
Use	Commercial & Residential	
Size	7"*48"	
Wear Layer	12mil(0.3mm)	
Finish	Medium Grain Embossing	
Gauge	4.8mm (0.18")	
Pieces/Carton	12	
Coverage/Piece	2.34 Sq.Ft	
Coverage/Carton	28.04 Sq.Ft	
Coverage/Pallet	65 Cartons (1822.57 Sq.Ft)	
Coverage/Container	16 Pallets (29161.06 Sq.Ft)	
Limited Warranty	10-Year Light Commercial/25 Residential	

## NORTH AMERICAN STANDARDS - SAFETY & PERFORMANCE

Standard	Description	Requirements	Results
ASTM E648	Radiant Panel (Critical Radiant Flux)	Class 1: $\geq 0.45 \text{ W/cm}^2$	Passes Requirements
ASTM E662	Smoke Density	Flaming & Non-Flaming $\leq 450$	Passes Requirements
ASTM D2047	Coefficient of Friction (Slip Resistance)	N/A	$\geq 0.6$ (Dry)
ASTM G21 <sup>1</sup>	Antifungal Activity	N/A	Top:0-1;Bottom:0
ASTM F963	Heavy Metals	Refer to Standard	Passes Requirements
ASTM F970	Static Load Limit	$\pm 0.005"$ , 250-Lbs. Load	$\geq 500$ lbs. (Surpasses Requirements)
ASTM F925	Chemical Resistance	No more than "Slight Change"	Surpasses Requirements
ASTM F1514	Resistance to Heat	Average & Max $\Delta E < 8.0$	Surpasses Requirements
ASTM F1515	Resistance to Light	Average & Max $\Delta E < 8.0$	Surpasses Requirements
ASTM F410	Wear Layer Thickness	Commercial: $\geq 12$ mil (0.3mm)	Passes Requirements
ASTM D4060 <sup>2</sup>	Abrasion Resistance	N/A	Average:12000 cycles

## NORTH AMERICAN STANDARDS - SOUND

Standard	Description	Requirements	Results
ASTM E90 & ASTM E413	Airborne Sound Transmission Loss	Sound Transmission Class (STC) $\geq 50$	STC 72 (Surpasses Requirements)
ASTM E492 & ASTM E989	Impact Sound Transmission	Impact Insulation Class (IIC) $\geq 50$	IIC 58 (Surpasses Requirements)

## NALFA/ANSI STANDARDS (LF-01-2011) - PERFORMANCE

Standard	Description	Class 1 (Residential)	Class 2 (Light Comm.)	Class 3 (Commercial)	Class 4 (Heavy Comm.)	Meets Requirements
Section 3.2	Thickness Swell	$\leq 18\%$	$\leq 16\%$	$\leq 16\%$	$\leq 12\%$	Classes 4
Section 3.5	Large Ball Impact Resistance	$> 800\text{mm}/31.5"$	$> 1000\text{mm}/39.4"$	$> 1200\text{mm}/47.3"$	$> 1400\text{mm}/55.1"$	Classes 3
Section 3.6	Small Ball Impact Resistance	$> 200\text{mm}/7.9"$	$> 200\text{mm}/7.9"$	$> 350\text{mm}/13.8"$	$> 500\text{mm}/19.7"$	Classes 3
Section 3.10	Surface Bonding	1N/mm <sup>2</sup>	1.25N/mm <sup>2</sup>	1.25N/mm <sup>2</sup>	1.5N/mm <sup>2</sup>	Classes 3

## NORTH AMERICAN STANDARDS -SUSTAINABILITY

Standard(s)	Description
FloorScore	This product is FloorScore Certified (SCS-FS-03340) .