

PRODUCT PERFORMANCE

Table 1. Product performance test results for luxury vinyl flooring products in this EPD.

Property	Test Method	Result
VOC	State of California DOHS R-174	44 µg/m ³ .h Less than 10% of allowable level
Critical Radiant Flux	ASTM E648-10	Pass; Class 1
Smoke Density (flaming)	ASTM E662-09	Pass; < 357
Smoke Density (non-flaming)	ASTM E662-09	Pass; 339
Slip Resistance	ASTM D2047	Pass 0.90 (wet); compliance varies with surface texture
Heavy Metal Content	ASTM F963	No detectable heavy metals <1.5mg/kg
Phthalate	CPSC-C1001-09.3	Exceeds CPSA guideline. Phthalate free.
State Load limit	ASTM F970	Residual compression 0.004 inch
Flexibility	ASTM F137	Pass; 6mm Mandrel
Color Fastness (heat)	ASTM F1514	Pass
Color Fastness (light)	ASTM F1515	Pass
Quality Control Management	ISO 9001	Achieved
Heat Stability	ASTM F1514	Pass
Residual Indentation	ASTM F1914-98	0.006 inch (3.5%)
Stain and Chemical Resistance	ASTM F925-2	No change
Dimensional Stability	ASTM F2199	Pass, <0.08%
IIC (Impact Insulation Class)	ASTM E492	IIC 73* Tested on 6" concrete (*WPC)
STC (Sound Transmission Coefficient)	ASTM E90-09 ASTM E413-10	STC 68* tested on 6" concrete (*WPC)
Radiant Heat Stability	ASTM F1514	Up to 28°C (82°F)

*Rigid, Engineered Rigid, SPC, ESPC