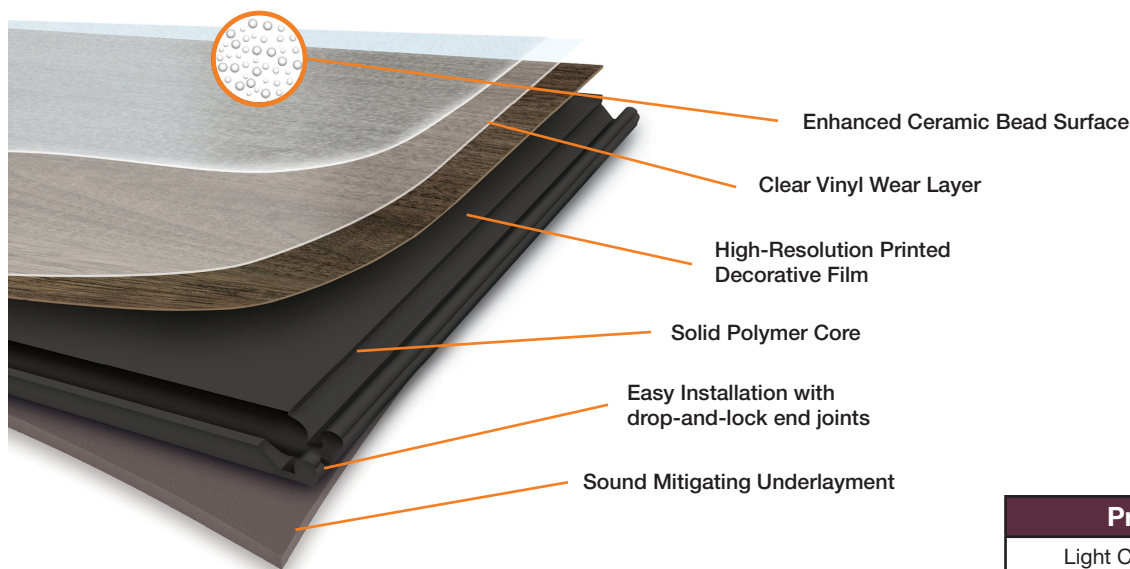




Technical Data Sheet

5 MM THICKNESS/12 MIL WEAR LAYER SPC DROP-AND-LOCK FLOORING



Product Information
Light Commercial & Residential Use
Warranty: Lifetime Residential - 10-Year Commercial

STANDARDS - SAFETY & PERFORMANCE

Standard	Description	Requirements	Results
ASTM E648	Critical Radiant Flux (Radiant Panel)	Class I: $\geq 0.45 \text{ W/cm}^2$	Passes Requirements ¹
ASTM E662	Smoke Density	Flaming & Non-Flaming ≤ 450	Passes Requirements ²
ASTM D2047	Coefficient of Friction (Slip Resistance)	Not Applicable (No Official Requirements)	≥ 0.6 (Dry)
ASTM F970	Static Load	No Requirements if Wear Layer < 20mil	Not Applicable
SIM Test	Static Load Limit	Test to Limit (± 0.005 "	≥ 500 psi
ASTM F2199	Dimensional Stability	$\leq 0.25\%$ / lineal ft.	Surpasses Requirements
ASTM F925	Chemical Resistance	No more than "Slight Change"	Surpasses Requirements
ASTM F1514	Resistance to Heat	Average $\Delta E < 8.0$	Surpasses Requirements
ASTM F1515	Resistance to Light	Average $\Delta E < 8.0$	Surpasses Requirements
ASTM F963	Heavy Metals	Refer to Standard	Passes Requirements
ASTM D7823	Phthalates	Refer to CPSIA4	Passes Requirements

STANDARDS - SOUND

Assembly	Results		Remarks
6" Concrete Slab	IIC	55	All tested assemblies pass IBC ⁵ requirements of STC ≥ 50 and IIC ≥ 50 for multi-story dwellings
	STC	50	
	HIIC	59	
	Δ IIC	24	
8" Concrete Slab with Suspended Ceiling and Isolated Subfloor	IIC	Up to 73	
	STC	Up to 62	
	HIIC	Up to 82	
	Δ IIC	Not applicable	

Notes

1. ASTM E648 - Critical Radiant Flux (Radiant Panel): Passes Requirements for Class I per International Building Code (IBC) 2018 & NFPA 101 Life Safety Code
2. ASTM E662 - Smoke Density: 450 is the limit established by many state, county, and/or local building and/or fire codes, but is not set as a limit for (resilient) flooring products nationwide. Thus, Smoke Density requirements for flooring products may vary from jurisdiction to jurisdiction.
3. CPSIA = Consumer Product Safety Improvement Act
4. IBC = International Building Code