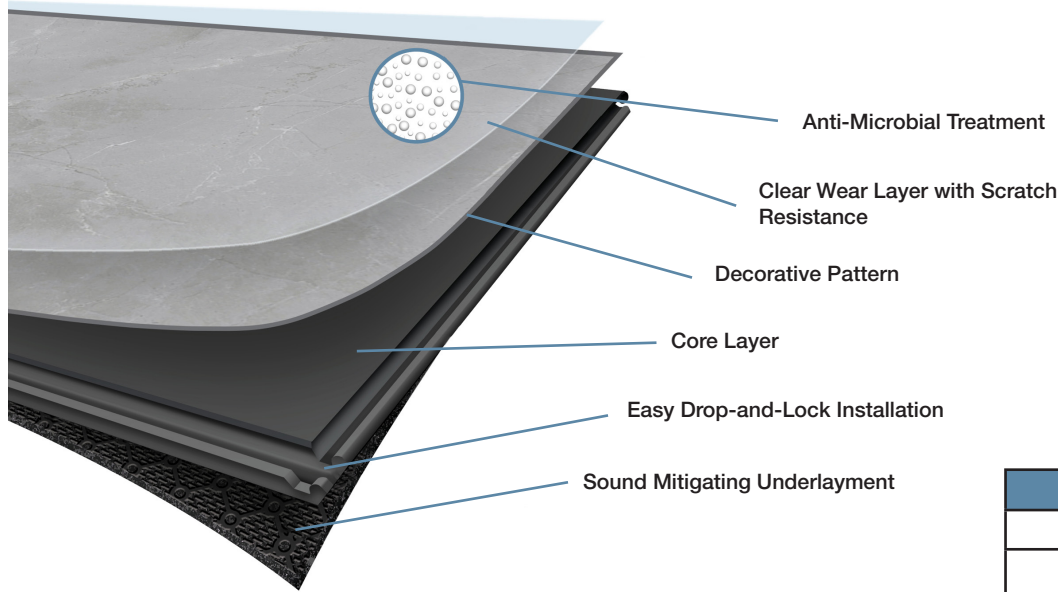


Technical Data Sheet



Product Information
Commercial & Residential Use
Warranty: Lifetime Residential - 20-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 G21	Antifungal Activity	Not Applicable (No Official Requirements)	Top: 0-1
ASTM F963	Heavy Metals	Refer to Standard	Passes Requirements
ASTM D7823	Phthalates	Refer to CPSIA ⁴	Passes Requirements

STANDARDS - SOUND

Assembly	Results		Remarks
6" Concrete Slab	IIC	54	All tested assemblies pass IBC ⁵ requirements of $STC \geq 50$ and $IIC \geq 50$ for multi-story dwellings
	STC	50	
	HIIC	57	
	ΔIIC	23	
8" Concrete Slab with Suspended Ceiling and Isolated Subfloor	IIC	Up to 72	
	STC	Up to 61	
	HIIC	Up to 80	
	ΔIIC	Not applicable	

Notes

- ASTM E648 - Critical Radiant Flux (Radiant Panel): Passes Requirements for Class I per International Building Code (IBC) 2018 & NFPA 101 Life Safety Code
- 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.
- ASTM G21 - Antifungal Activity: Top Surface (LVT Top Layer) scored 0-1 (No Growth to <10% Growth)
- CPSIA = Consumer Product Safety Improvement Act
- IBC = International Building Code