

Natchez 5.2mm SPC - US Technical Data Sheet

The Natchez SPC Collection is a luxury vinyl tile that has the currently trending wood look that adds natural-looking texture and a warm feel to any room. It offers the richness and texture of hardwood, with an easy to install clic locking system. IXPE foam pad backing provides more sound absorption and softness underfoot. Topped with a 20 - mil wear layer and finished with an enhanced polyurethane finish, Natchez 5.2-mm SPC US floors offer superior scratch and scuff resistance.

Natchez 5.2-mm SPC US is manufacturing in the USA and is Assure, FloorScore®, Indoor Advantage Gold, Greenguard Gold and Declare certified, with both Health Product Declaration (HPD) and Environmental Product Declaration (EPD) available.

Description	Reference	Result
Product identification	Natchez SPC US 5.2mm-0.5 (1.0mm XPO)	
Construction	Vinyl with SPC core, XPO backing with scratch resistant coating	
Usage	Light commercial and residential	
Pre-attached pad	1.0mm XPO acoustic underlayment	
Installation method	Floating floor with an angle, drop and lock, system	
Limited warranty period	Lifetime for residential and 15-years for light commercial	
Carton amount	19.067 square feet (1.83-square meters), 10 pieces	
ASTM specification classification	ASTM F3261	Class 1, Type B, Grade 2, Class B
Wear layer and gloss level	ASTM F410	20-mil (0.5-mm) with low gloss
Thickness	ASTM F387	0.2-inch (5.2-mm)
Length	ASTM F2055	47.75-inch (1212.85.2-mm SPC)
Width	ASTM F2055	5.75-inch (146.05.2-mm SPC)
Size	ASTM F2055	Pass
Squareness (tile)	ASTM F2055	Pass
Squareness (plank)	ISO 24337	Pass
Flatness	ISO 24337	Pass
Openings / Assembling	ISO 24337	Pass
Ledging	ISO 24337	Pass
Chemical resistance	ASTM F925	Pass
Surface integrity test	ASTM F1914	Pass
Residual indentation	ASTM F1914	0.001-inch = pass (requires < 0.007)
Static load (residual indentation)	ASTM F970	0.002-inch = pass (requires < 0.005)

Dimensional stability	ASTM F2199/ISO 23999	Pass (size change, curl or cupping)
Heat stability (color change)	ASTM F1514	< Delta E 0.9 = pass (requires < 8.0)
Light stability (color change)	ASTM F1515	< Delta E 4.25 = pass (requires < 8.0)
Acoustic properties	ASTM E492/E989	IIC 58 (6-inch concrete slab)
Acoustic properties	ASTM E2179/E989	Delta IIC 25 (6-inch concrete slab)
Acoustic properties	ASTM E90/E413	STC 52 (6-inch concrete slab)
Slip resistance test results	UL 410	Dry SCOF of 1.0 and wet SCOF of 0.91 with Neolite
Critical radiant flux (flammability)	ASTM E648	1.02 = pass, NFPA Class 1 (requires > 0.45 Watts/cm ²)
Optical smoke density	ASTM E662	Pass (requires < Dmc 450)
Heavy metal content	ASTM F963	Pass, none detected

Disclaimer: These test results were independently tested, from standard production, following the industry standard test methods. The performance of different testing apparatus and batch production may vary slightly.

Referenced Documents: The latest versions of all listed standards, specifications, practices, and test methods shall be used in all cases.

ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements

ASTM E413 - Classification for Rating Sound Insulation

ASTM E492 - Standard Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine

ASTM E648 - Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source

ASTM E662 - Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials

ASTM E989 - Standard Classification for Determination of Single-Number Metrics for Impact Noise

ASTM E2179 - Standard Test Method for Laboratory Measurement of the Effectiveness of Floor Coverings in Reducing Impact Sound Transmission Through Concrete Floors

ASTM F387 - Standard Test Method for Measuring Thickness of Resilient Floor Covering with Foam Layer

ASTM F410 - Standard Test Method for Wear Layer Thickness of Resilient Floor Coverings by Optical Measurement

ASTM F925 - Standard Test Method for Resistance to Chemicals of Resilient Flooring

ASTM F963 - Standard Consumer Safety Specification for Toy Safety

ASTM F970 - Standard Test Method for Measuring Recovery Properties of Floor Coverings after Static Loading

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ASTM F1514 - Standard Test Method for Measuring Heat Stability of Resilient Flooring by Color Change

ASTM F1515 - Standard Test Method for Measuring Light Stability of Resilient Flooring by Color Change

ASTM F1914 - Standard Test Methods for Short-Term Indentation and Residual Indentation of Resilient Floor Covering

ASTM F2055 - Standard Test Method for Size and Squareness of Resilient Floor Tile by Dial Gage Method

ASTM F2199 - Standard Test Method for Determining Dimensional Stability of Resilient Floor Tile after Exposure to Heat

ASTM F3261 - Standard Specification for Resilient Flooring in Modular Format with Rigid Polymeric Core

ISO 23999 - Resilient floor coverings—Determination of dimensional stability and curling after exposure to heat

ISO 24337 - Laminate floor coverings—Determination of geometrical characteristics

UL 410 - Certification for Slip Resistance of Floor Surface Materials