



# PETROUS

## SPECIFICATIONS & TESTING

Petrous is a premium rigid core product manufactured with new technology, expanding the possibilities of luxury vinyl flooring. Each plank of Petrous is fortified from within, using layers of stone polymer that resists indentation.



Waterproof



Superior  
Dimensional Stability



High  
Impact Resistance



Easy Click  
Together Installation  
w/ i4F Drop-Lock Technology



Attached  
Acoustical IXPE Pad

### SPECIFICATIONS

Specification	4.5mm 12mil	5mm 20mil
Nominal Size	7"x48"	7"x48"
Overall Thickness	4.5mm (3.5mm + 1mm IXPE backing)	5mm (4mm + 1mm IXPE backing)
Wearlayer Thickness	12mil	20mil
Edge	Micro-Bevel	Micro-Bevel
Finish	Cobalt Guard	Cobalt Guard
Installation Method	Floating (Click System)	Floating (Click System)
Item/Color Identifier	P12-###	P20-###
Sq. Ft. Per Carton	28.657 Sq. Ft.	28.657 Sq. Ft.
Residential Warranty	35 Years	Lifetime
Commercial Warranty	7 Years	10 Years

Petrous is manufactured to meet the performance requirements of the industry standard, *ASTM F3261 Standard Specification for Resilient Flooring in Modular Format with Rigid Polymeric Core.*

Refer to Installation/Specification & Testing/ Warranty docs for product requirements and limitations.





**TESTING**

Test	Description	4.5mm Result	5mm Result
Squareness	ASTM F2055	Pass	Pass
Flatness	ISO 24337	Pass	Pass
Joint Openings	ISO 24337	Pass	Pass
Joint Ledging	ISO 24337	Pass	Pass
Residual Indentation	ASTM F1914	Pass	Pass
Surface Integrity	ASTM F1914	Pass	Pass
Dimensional Stability	ASTM F2199	Pass	Pass
Curl	ASTM F2199	Pass	Pass
Resistance to Chemicals	ASTM F925	Pass	Pass
Resistance to Heat	ASTM F1514	Pass, <ΔE8	Pass, <ΔE8
Resistance to Light	ASTM F1515	Pass, <ΔE8	Pass, <ΔE8
Static Load Resistance	ASTM F970	N/A	Pass, <0.13mm at 250lb
Thickness Swell	ASTM F3261	Pass	Pass
Static Coefficient of Friction	SCOF, ASTM D2047	SCOF 0.55	SCOF 0.55
<b>Impact Insulation Class (IIC):</b> 6" Slab, No Ceiling	ASTM E492	IIC 55	IIC 55
<b>Impact Insulation Class (IIC):</b> 4.5mm: 18" Open Truss 5mm: 14" Open Truss	ASTM E492	IIC 54	IIC 55
<b>Sound Transmission (STC):</b> 6" Slab, No Ceiling	ASTM E90	STC 52	STC 51
<b>Sound Transmission (STC):</b> 4.5mm: 18" Open Truss 5mm: 14" Open Truss	ASTM E90	STC 59	STC 60
<b>Delta Impact Insulation (Δ IIC):</b> 6" Slab, No Ceiling	ASTM E2179	Δ IIC 23	Δ IIC 24
Smoke density	ASTM E662	Pass, < 450	Pass, < 450
Critical Radiant Flux	ASTM E648	Class I, > 0.45 W/cm <sup>2</sup>	Class I, > 0.45 W/cm <sup>2</sup>

