

# DIAMOND SPC Tile

Stone plastic composite, stable vinyl floor tiles



## Diamond SPC Vinyl Tile

Rigid vinyl floor tiles

Plank dimensions: 900 x 450 x 6mm (1.62 sqm/box)

by

**FIN**floor™

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# DIAMOND SPC Tile

EN ISO 10582 - Fit for use classification



Heavy Domestic  
(Class 23)



Very Heavy Commercial  
(Class 34)



Light Industrial  
(Class 43)

## SPECIFICATIONS

### RIGID CORE TECHNOLOGY

Construction	Stone plastic composite
Total thickness	6mm including .7mm wear layer with an average board density of 2000 kgs/m <sup>3</sup>
Plank dimensions	900 x 450 x 6mm
Texture option/Surface finish	Coral stone finish and 4-sided micro bevel
Installation method	Click system (Glue-less installation)
Warranty	30 years heavy domestic 10 years general commercial
Waterproof	100%

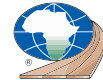


## TECHNICAL DATA

### RIGID CORE TECHNOLOGY

TEST	STANDARD	REQUIREMENTS	RESULT
Dimensional squareness and straightness	EN426	Size: <0.15% from Nominal If size <400mm: ≤0.25mm If size >400mm: ≤0.34mm	Pass Pass Pass
Dimensional stability and curling	EN436 EN436	Stability: 0.15% Curling: ≤1.2mm	Surpasses Requirements Surpasses Requirements
Impact Test		5.5mm	Pass
Abrasion/Wear resistance	EN660-2		Fv<2.0mm <sup>3</sup> /100r
Castor Chair	ISO4918	After 25,000 cycles: Delamination – none. Appearance < “slight change”	Passes Requirements.
Flexibility	EN435	No cracks (20mm Mandrel)	Passes Requirements
Chemical resistance	EN423	Pass	No Effect
Sound Reduction	EN ISO 10140-3 ISO 717-2 EN ISO 140-8		ΔLw = 11dB C1Δ = -6dB
Colour fastness to light	ISO 105-B02, method 3	≥ Grade 6	Pass
Residual indentation	EN 433	≤0.1mm	Pass
Slip resistance (Dry)	EN 13893	Class DS: Coefficient of Friction >0.30	Passes/surpasses requirements
Slip Resistance (Wet)	DIN 51130	Grade R10:>10° and <19°	Passes/Surpasses requirements
Reaction to Fire (and smoke Production)	EN 13501-1	Bf1-S1 Classification: Critical Flux:>8.0KW/m <sup>2</sup> , Flame Spread: <150mm within 20s, Smoke value as % x min:<750.	Pass
Formaldehyde Emission	EN717-1	Class EO: Release<0.05mg/m <sup>3</sup>	0 mg.m <sup>3</sup>
Thermal Resistance	EN12667	N/A	0.21149W/mk@25°C

## CERTIFICATES



## KEY INSTALLATION CONSIDERATIONS FOR RESIDENTIAL & COMMERCIAL APPLICATIONS

Subfloor flatness tolerances	Flat to 4.7mm per 3.3meter radius, no high or low spots allowed
Vapour barrier recommended	Painted in commercial / climate controlled areas
Is underlayment (pad) recommended	Yes - recommended to use a 2mm Woodlay underlay
Acclimatisation requirements	24 hours recommended
Transition requirements (T-Mold) for large spaces	Required when in excess of recommended floor coverage. <b>N.B. Recommended coverage in an uncontrolled environment is 10lin.m x 20lin.m</b>
Transition requirements (T-Mold) Doorways/Thresholds	Required if outside of recommended floor coverage of 10 lin.m x 20 lin.m
Installation over existing ceramic tile floor	Filling in grout lines wider than 5mm/deeper than 5mm is required
Glue down installation	Not recommended / Except for stair cases
Subfloor RH/MVER (Moisture vapour emission rate) recommendations	85% RH/8 lbs MVER (Moisture vapour emission rate)
Radiant heat	Not to exceed 28° C
Perimeter expansion requirements	Expansion gap must be 10mm within the total floor coverage. Expansion gap to be covered with a 1/4 round or skirting on perimeter walls & around heavy fixed objects
Optimal interior environmental conditions	18° - 30°C and 60% - 80% RH
Fitted cabinets	Do not install cabinets on floor planks/panels
Extreme temperature	Should be maintained between -3°C and 50°C

## PRE-INSTALLATION SUBFLOOR REQUIREMENTS

All Subfloors must be:	<ul style="list-style-type: none"> <li>· Dry</li> <li>· Clean: Thoroughly swept and free of all debris</li> <li>· Structurally sound</li> <li>· Level: Flat to 4.7mm per 3.3 meters radius.</li> </ul>
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