

Sapphire RCB

Rigid core board vinyl flooring



Sapphire Vinyl

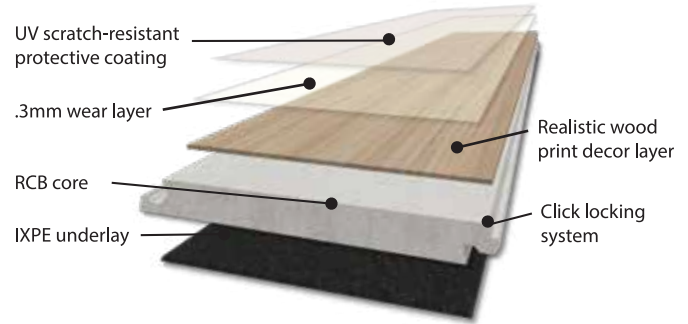
RCB, Residential vinyl flooring

Plank dimensions: 1230 x 184 x 5.5mm (1.81 sqm/box)

by
FINfloorTM
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Sapphire RCB

| SPECIFICATIONS | RIGID CORE TECHNOLOGY |
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| Construction | Rigid core board vinyl - Stone plastic composite |
| Total thickness | 5.5mm including .3mm wear layer & attached 1mm IXPE underlay |
| Plank dimensions | 1230 x 184 x 5.5mm |
| Texture option/Surface finish | Antique wood finish and 4-sided micro bevel |
| Installation method | Click system (Glue-less installation) |
| Warranty | 20 years heavy domestic 5 years light 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 |
| Abrasion/Wear resistance | EN660-2 | | Fv<2.0mm ³ /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 | N/A | No Effect |
| Sound Reduction | EN ISO 10140-3 ISO 717-2 EN ISO 140-8 | N/A | ΔLw = 11dB C1Δ = -6dB |
| Colour fastness to light | ISO 105-B02, method 3 | ≥ Grade 6 | Surpasses Requirements |
| Residual indentation | EN 433 | ≤0.1mm | Surpasses Requirements |
| 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 ² , Flame Spread: <150mm within 20s, Smoke value as % x min:<750. | Passes Requirements. |
| Formaldehyde Emission | EN717-1 | Class EO: Release<0.05mg/m ³ | 0 mg.m ³ |
| Thermal Resistance | EN12667 | N/A | 0.21149W/mk@25°C |
| Product-Content Safety | REACH SVHC 163 | N/A | Passes Requirements |

CERTIFICATES



KEY INSTALLATION CONSIDERATIONS FOR RESIDENTIAL & COMMERCIAL APPLICATIONS

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| Subfloor flatness tolerances | Flat to 4.7mm per 3.3meter radius |
| Is underlayment (pad) recommended | No - IXPE pad attached |
| Acclimatisation requirements | 24 hours recommended |
| Transition requirements (T-Mold) for large spaces | Required when in excess of recommended floor coverage. N.B. Recommended coverage in an uncontrolled environment is 10lin.m x 15lin.m |
| Transition requirements (T-Mold) Doorways/Thresholds | Required if outside of recommended floor coverage of 10 lin.m x 15 lin.m |
| Installation over existing ceramic tile floor | Filling in grout lines wider than3.5mm/deeper than 3mm 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

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