

TECHNICAL DATA SHEET

ScreedPro™

HIGH-DENSITY DRY SCREED PANEL



ScreedPro™ is a dry flooring panel for use as a spanning deck over an appropriately designed joist or batten system or as an overlay to suitable solid or timber substrates or. It provides a rigid base for floor finishes and can be incorporated into acoustic floating floors and underfloor heating constructions.

Key Benefits

- Capable of spanning directly across joists
- Highly compatible with Underfloor Heating systems
- minimises overall floor build-up height without sacrificing durability.
- Provides a stable, solid substrate that allows final floor finishes

Product properties

Property	Specification
Nominal panel dimensions	1200mm × 600 mm
Nominal panel area	0.72 m ²
Available thicknesses	18, 25, 28 and 30 mm
Nominal density	1450 kg/m ³
Thermal conductivity λ	0.20 W/m·K
Reaction to fire	A1 to EN 13501-1 ¹

Calculated mass and thermal resistance

Thickness mm	Mass per area kg/m ²	Panel mass kg	Thermal resistance m ² ·K/W
18	26.10	18.79	0.090
25	36.25	26.10	0.125
28	40.60	29.23	0.140
30	43.50	31.32	0.150

Calculated from the nominal dimensions, density and conductivity above. Mass per area = density × thickness; panel mass = mass per area × 0.72; thermal resistance $R = \text{thickness} \div \lambda$, with thickness in metres. Values exclude adhesive, floor finishes and other system layers. Actual panel weights may vary. ¹ Panel reaction to fire classification; this does not establish the fire resistance of a complete floor. Apply the classification within the scope of the relevant product report.

Applications and design requirements

Spanning floors The stated support-centre guidance is up to 400 mm for the 18 mm panel and up to 600 mm for the 25, 28 and 30 mm panels. Use these centres only with a confirmed ScreedPro design for the required loading, support arrangement, joint detail and floor finish.

Overlay floors Use over a sound, level and adequately supported concrete or timber substrate. Where resilient insulation or underlay is included, select its stiffness, compressibility and load capacity to suit the panel thickness and intended use.

Underfloor heating Select the panel thickness together with the heating layout and support system. Include the panel resistance in the total resistance above the heating pipes, together with finishes, adhesives and underlays. Heat output depends on the complete construction, pipe spacing, water temperatures and room conditions.

Acoustic floors Use a continuous resilient layer or specified isolated supports, together with perimeter isolation, to limit rigid connections. Airborne and impact sound performance relate to the complete floor and ceiling construction. Specify acoustic values and compliance using evidence for the relevant assembly.

Typical Flooring Build-ups



Concrete Slab

1. Selected Floor Finish
2. ScreedPro Panel
3. Polyethylene Sheet
4. 3mm MCW Impact R3
5. Perimeter isolation strip
6. 140mm concrete slab

Installation guidance

Follow the agreed floor-system detail and the instructions for the selected joint adhesive, underlay and floor finish. Confirm the panel edge profile and jointing method before installation.

- 1 Storage and handling** Store panels flat, fully supported and protected from water and weather. Bring materials into the enclosed installation area and allow them to stabilise to site conditions. Protect edges during handling and use handling methods appropriate to the panel weights listed on page 1.
- 2 Subfloor preparation** Check that the substrate is structurally sound, clean, dry and level. Repair loose or damaged timber decking and remove high spots. Correct unevenness with a compatible levelling system and allow it to dry before covering. Measure substrate moisture and meet the limits specified for the complete floor and adhesive system; install suitable moisture protection where required.
- 3 Setting out and isolation** Fit continuous perimeter isolation at walls, columns and penetrations where an acoustic floating floor is specified. Maintain the specified movement allowance. Lay resilient layers without unintended gaps, overlaps or debris. Retain structural movement joints through the flooring system using an agreed detail.
- 4 Laying and jointing** Lay panels in staggered rows, avoiding four corners meeting at one point. Keep joint profiles clean and undamaged. Apply a compatible, approved joint adhesive and fully engage the edges within its working time. Remove surplus adhesive as directed and keep joints flush. Use the approved edge and cut-panel support details.
- 5 Joists and battens** Check support levels, centres and bearing widths before laying. Orient panels as required by the spanning design and provide support at perimeters, openings and cut edges where specified. Maintain acoustic isolation at the supports. Do not add fixings through resilient layers unless the system detail specifically requires them.
- 6 Curing and protection** Protect the floor against water, movement and premature loading while the adhesive cures. Release the floor for traffic, full loading and subsequent finishes only after the specified cure periods have elapsed. A 24-hour programme must be confirmed against the selected adhesive, site conditions and finish preparation.

Floor finishes and commissioning

Resilient finishes For LVT, vinyl and other thin finishes, prepare the panel surface with a compatible primer and smoothing system where required to prevent joints or surface variation showing through.

Timber and carpet Use a compatible adhesive or underlay and follow the finish supplier's moisture, movement and substrate requirements. Retain perimeter isolation without rigid bridging at skirtings and thresholds.

Tiles and stone Confirm panel thickness, support centres, allowable deflection and tile format before specification. Direct bonding requires an approved primer and adhesive system; include any specified reinforcement, decoupling or waterproofing layers.

Heated and wet areas Use a compatible tanking system in wet areas where required. Keep the heating system within the temperature limits of every component and commission it progressively after the relevant adhesives and finishes have cured.

Specification information

State the ScreedPro thickness, substrate or support centres, design loads, resilient layer, perimeter detail, moisture-control provision, joint adhesive, floor finish and any underfloor heating requirements. Confirm the complete assembly against the project's structural