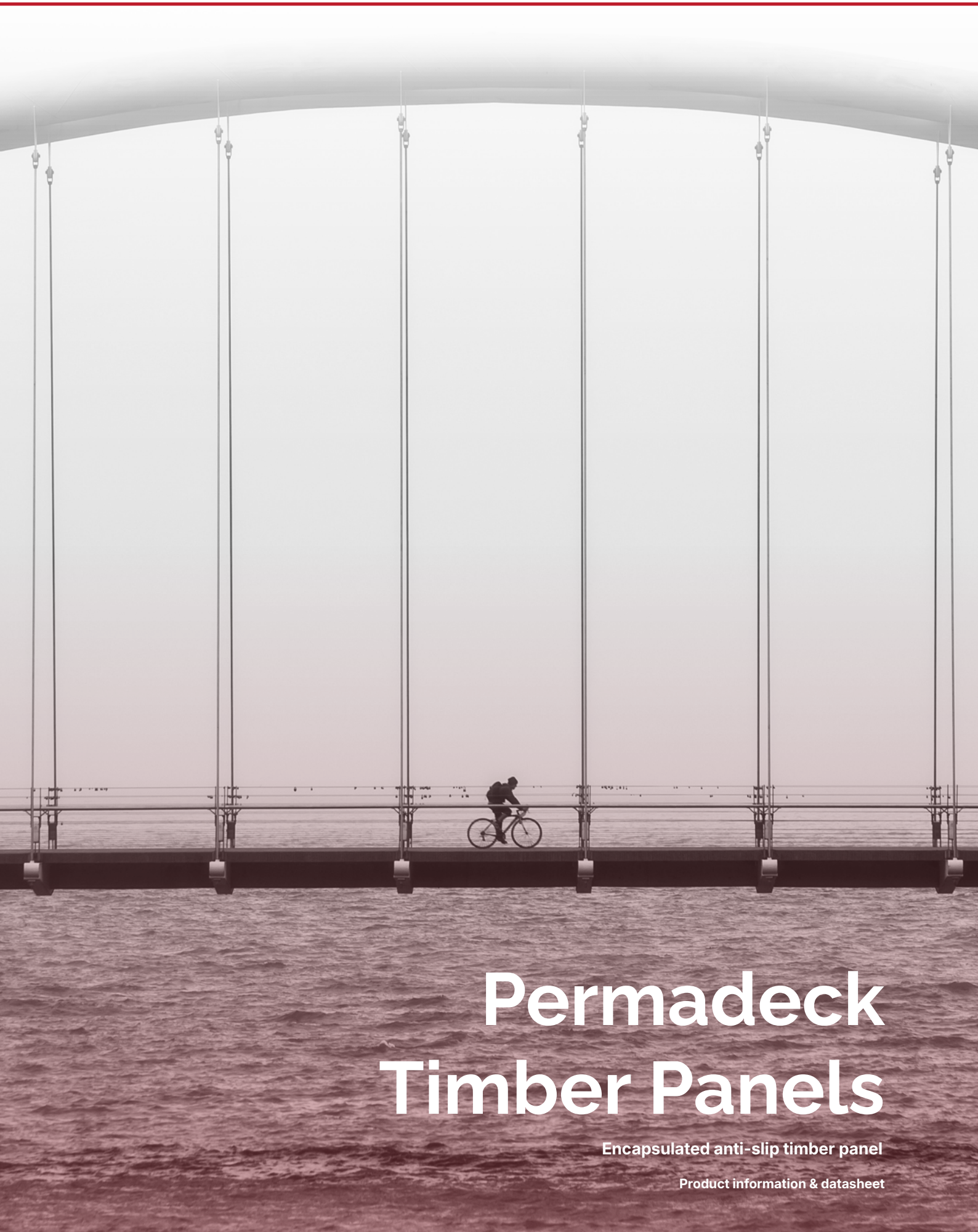




Permadeck Systems
Underfoot Safety Specialists



Permadeck Timber Panels

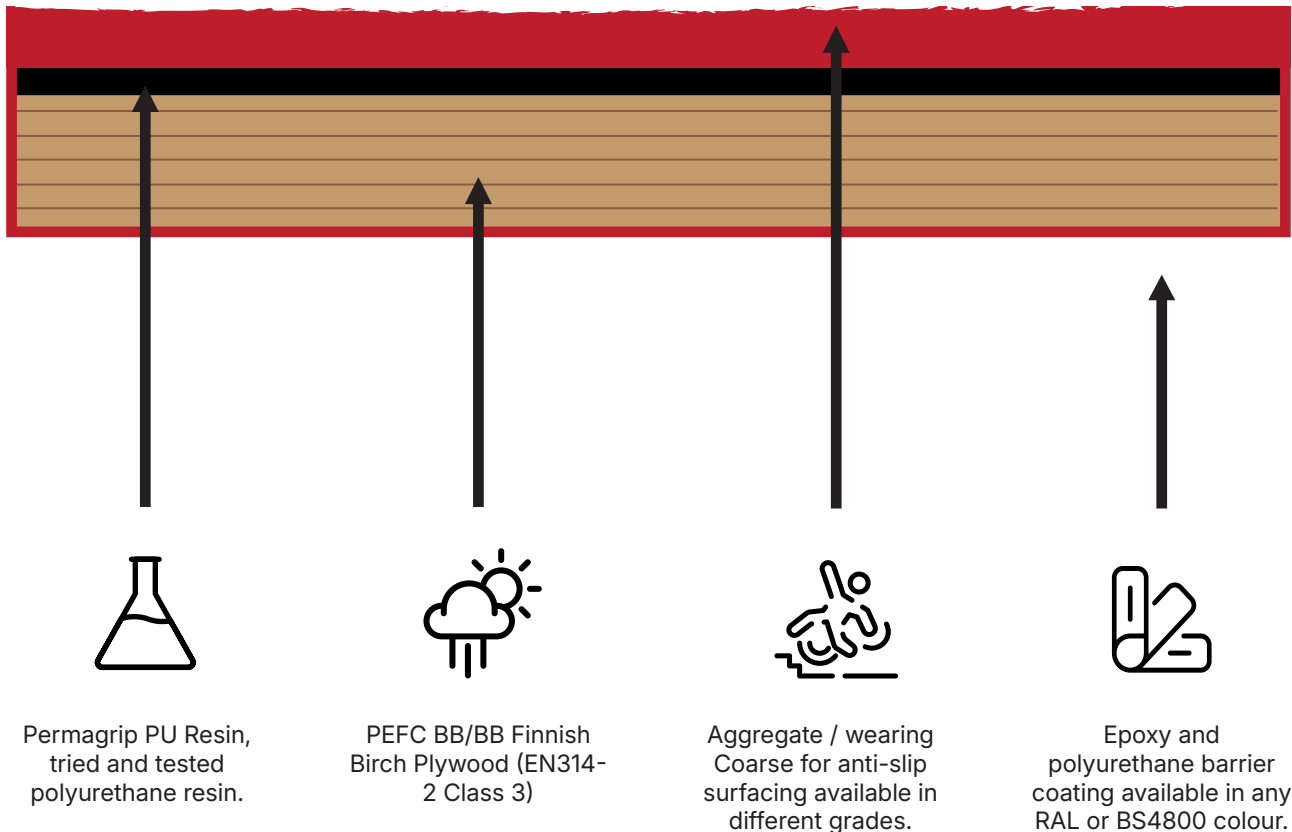
Encapsulated anti-slip timber panel

Product information & datasheet

Product Description

Permadeck Timber Panels are a high quality, custom made, slip resistant decking system designed to suit a wide range of applications and environments. Manufactured and hand-finished to order, Permadeck Timber Panels provide a flexible decking solution, minimising downtime and closure periods.

Engineered for both pedestrian and vehicular traffic, Permadeck Timber Panels are designed for quick, easy installation on both new build projects, retro fitting contracts such as; Walkways, Footbridges, Railway Station Platforms, Disabled Access Ramps, Gantries, Factories, Cycle Paths and Public Spaces.



Uses

Specifically designed for ease of installation, Permadeck Timber panels provide a durable slip resistant surface for both pedestrian and vehicular traffic. Engineered to suit a vast range of applications, Permadeck panels can be manufactured to incorporate DDA/Equality Act compliant Stair Nosings and Permagrip Hazard Warning Tiles.



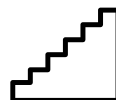
Railway Platforms



Footbridges



Ramps



Staircases



Disabled Access



Loading Bays

Disclaimer

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product can be used under conditions beyond our control, we can only guarantee the quality of the product itself. We also reserve the right to change the given data without notice. Minor product variations may be implemented in order to comply with local requirements.

Technical Data

Timber:	Finnish Birch throughout load bearing plywood to minimum specification BB/BB BS5268. Solid Face veneers not lower than ISO Grade III.
Panel Sizes:	Standard panels: 1220 × 2440mm & 1525 × 3050mm Custom, bespoke panels available and cut to size as per your specification.
Panel Thicknesses:	6mm 9mm 12mm 18mm 24mm
Resin:	Permagrip PU - a multi-component coating system based on an advanced epoxy resin combined with mineral fillers.
Aggregate Specification:	Emery: Mohs Hardness 8.5 - 9.5
Aggregate Options:	Pedestrian Fine: 0.6mm - 1.0mm Pedestrian Medium: 1.4mm - 2.0mm Pedestrian Coarse: 1.0mm - 3.0mm Vehicular Grade: 3.0mm - 5.0mm
Slip Resistance Values:	BS7976-2: 2002 Pendulum Tester Pedestrian Grade Fine: 74 Mean Dry; 70 Mean Wet Pedestrian Grade Med: 73 Mean Dry; 69 Mean Wet Pedestrian Grade Course : 78 Mean Dry, 77 Mean Wet
Additional Extras:	50mm Sight Lines (in contrasting colour) Stair Nosings Joint Details
Colour Availability:	BS4800, BS381C or RAL
Appearance:	Semi-gloss
Service Temperature:	-20°C to + 80°C

Selection of joints, edge detail & fixings



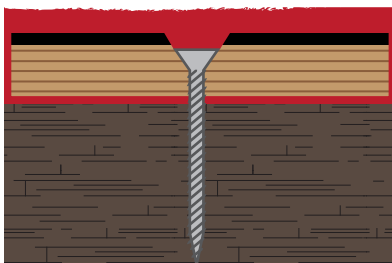
Standard Butt Joint



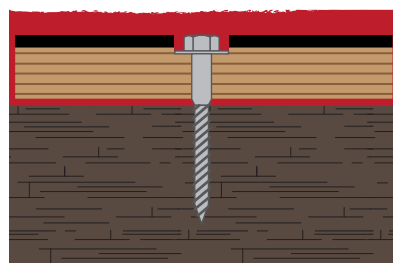
Lap Joint



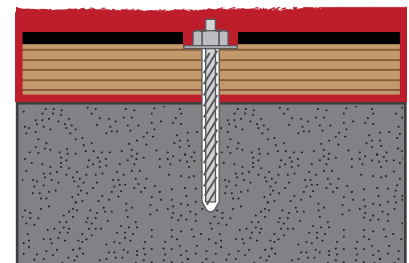
Tongue & Groove Joint



Plated Woodscrews



Plated Coachscrews

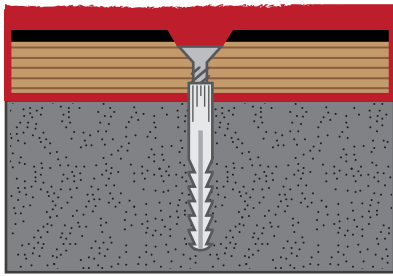


Resin Anchors

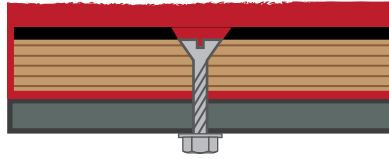
Disclaimer

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product can be used under conditions beyond our control, we can only guarantee the quality of the product itself. We also reserve the right to change the given data without notice. Minor product variations may be implemented in order to comply with local requirements.

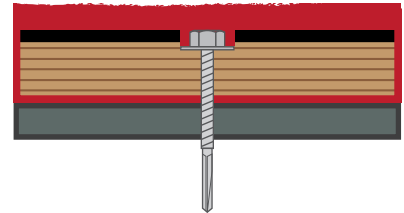
Selection of joints, edge detail & fixings (cont.)



Concrete Anchors & Plugs



Bolt Fixings



Self-Drilling Screws



Bullnosed Edge



Chamfered Edge



Integration with corduroy tactile panels (Integration available with other Permadeck Systems products)

Loading Tables

These tables cover basic spans and sizes only. The below includes a small sample from the "Handbook of Finnish Plywood". The complete tables which together, with finished panel weights, are available to engineers on request.

Thickness, area, section modulus, second moment of area as well as bending, tension and compression properties of cross sections of sanded finnish plywood to be used in design. All values are given for the full cross section.															
Section Properties						Characteristic Strength						Mean modulus of elasticity			
						Bending		Compression		Tension		Bending		Tension & Compression	
Nominal Thickness	Number of piles	t mean mm	A mm ² /mm	W mm ³ /mm	I mm ⁴ /mm	f _m N/mm ²	f _m N/mm ²	f _c N/mm ²	f _c N/mm ²	f _t N/mm ²	f _t N/mm ²	E _m N/mm ²	E _m N/mm ²	E _{t/c} N/mm ²	E _{t/c} N/mm ²
9	7	9.2	9.2	14.1	64.9	45.6	32.1	28.3	23.7	40.8	34.2	11395	6105	9511	7989
12	9	12.0	12.0	24.0	144	42.9	33.2	27.7	24.3	40.0	35.0	10719	6781	9333	8167
18	13	17.6	17.6	51.6	545	40.2	34.1	27.2	24.8	39.2	35.8	10048	7452	9148	8352
24	17	23.2	23.2	89.7	1041	38.9	34.4	26.9	25.1	38.8	36.2	9717	7783	9052	8448
27	19	26.0	26.0	113	1465	38.4	34.5	26.8	25.2	38.7	36.3	9607	7893	9019	8481
30	21	28.8	28.8	138	1991	38.1	34.6	26.7	25.3	38.5	36.5	9519	7981	8993	8507

Disclaimer

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product can be used under conditions beyond our control, we can only guarantee the quality of the product itself. We also reserve the right to change the given data without notice. Minor product variations may be implemented in order to comply with local requirements.