

BIRKDALE[®] SOUND SHIELD PRO[®] 28mm TONGUE & GROOVE

DESCRIPTION

The Sound Shield Pro[®] 28mm tongue and groove acoustic timber fencing system is designed for quick and reliable installation using DuraPost[®] Commercial Posts or DuraPost[®] HD Commercial Posts. Its tongue and groove board design allows panels to slot together easily, providing a secure and consistent finish.

MATERIALS

Manufactured from high-quality Scandinavian Redwood (G4-2 grade), the boards offer a warm reddish hue with a natural grain character. The timber is kiln-dried, precision-sawn to 28mm finished thickness, and then pressure-treated with Tanalith[®] E after machining to ensure full preservative absorption. This treatment significantly extends service life and makes the system highly suitable for long-term external use.

COMPONENTS

- Commercial DuraPost Steel Fence Post*
 - Tongue and Groove Timber Boards
 - Timber Post-Fillet
 - Timber Panel Brace
 - Timber Capping Rail
- *See DuraPost Commercial data sheet for details*

PERFORMANCE & COMPLIANCE

- Preservative treatment standard: WPA Benchmark approved process.
- Use class suitability (BS EN 335): Class 3 (external, above ground, exposed to weather).
- Expected service life: 15–30 years depending on exposure, installation, and maintenance.
- Moisture content (at dispatch): Typically 16–20% (kiln dried prior to treatment).

Compliance references:

- SS-EN 1611-1 (Appearance grading of softwoods).
- SS-EN 1313-1 / SS-EN 336 (Dimensional tolerances).
- BS EN 335 (Durability of wood and wood-based products).
- WPA Commodity Codes for preservative treatment.

COMMERCIAL DURAPOST [®] TESTING	DATA
Static Load Testing	1447kg / 14.2kN
Commercial DuraPost testing was carried out on 3.4m posts, with 2.4m above ground at 2.4m centres	

FINISH

Magnelis [®] Pre-Galv (Powder Coating Available)	Slow-Grown Redwood
	

TIMBER	
Species	Scandinavian Redwood (softwood, kiln-dried)
Grade	G4-2 (Fifths), SS-EN 1611-1 (4-sided visual grading)
Appearance	Knotty structure; limited allowance for bark-encased scars, pitch wood, decayed knots, blue stain, firm rot, wavy grain, and top rupture
Colour	Creamy-white to yellow sapwood; pale yellowish-brown to reddish-brown heartwood; warm reddish hue
Density (at ~12% Moisture Content)	500-550 kg/m ³ (before treatment); up to 600 kg/m ³ (after pressure treatment)
Nominal Mass (per/m ²)	20.5kg/m ²
Length Range	1,800-5,400mm (multiples of 300mm) Stocked: 2400mm
Dimensional Tolerances	≤100 mm: ±1.0 mm; >100 mm: ±1.5 mm
Treatment	High-pressure preservative treatment with Tanalith® E
Treatment Timing	Applied after sawing/profiling to ensure full penetration and absorption
WPA commodity codes	C3 – Fencing

COMPONENTS	
Boards	150 × 28 × 2400mm
Capping	50 × 50 × 2400mm
Filletts	43 × 22 × 2400mm
Brace	45 × 13 × 2400mm

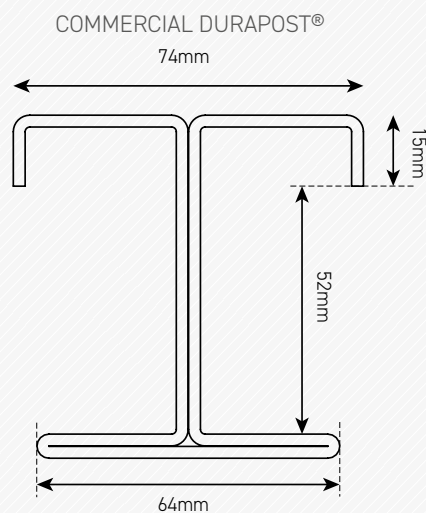
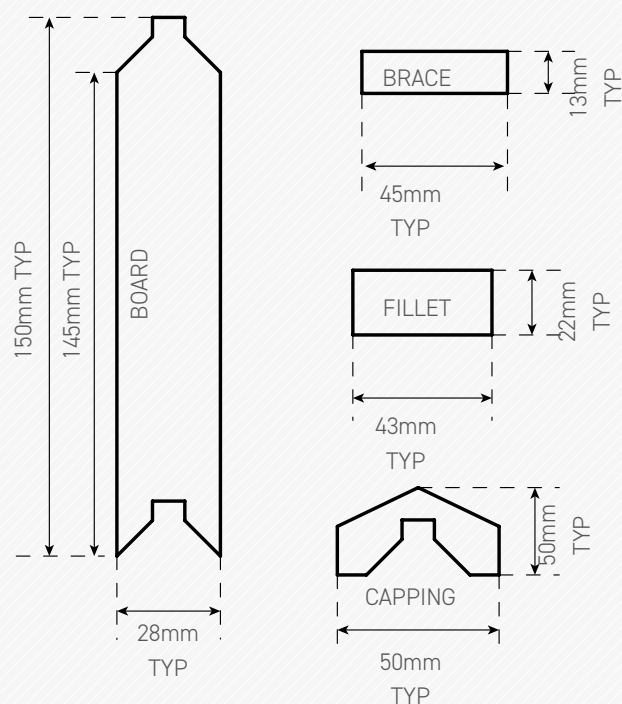
FIXINGS	
Flat Head Timber Screw 7.0 x 50mm (T30)	Exterior Silver/ Exterior Green
Flanged Hex Head Timber Screw 6.7 x 50mm (8mm Hex)	Exterior Green

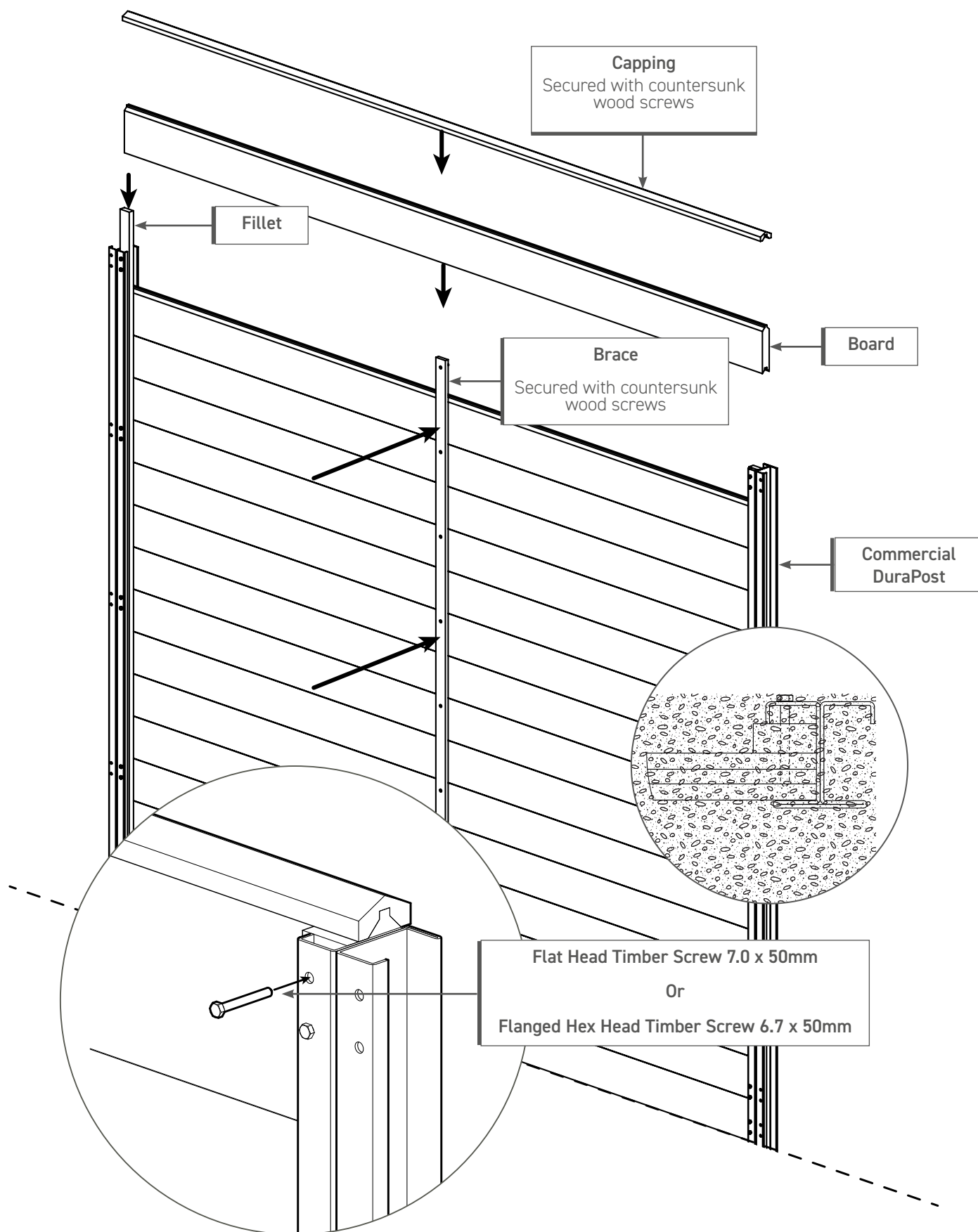
Countersunk Timber Screws 5.0 x 30mm (PZ2)

Exterior Silver

COMPATIBILITY	
DuraPost® Classic Post	Yes
DuraPost® Commercial Post	Yes
DuraPost® HD Commercial Post	Yes
RSJ	Yes

TYP: Typical measurements may vary with cut, treated product.





TYPICAL DIMENSIONS

