



Flooring Underlays – Selection Guide

Embelton Underlays – Technical Information

Applications	Softwalk Combo Foam	Hush Platinum	Hush Gold	ImpactaMat
Thickness	2mm	2mm	3mm	3, 5, 10, 20, 30, 60mm
Density	n/a	n/a	900kg/m ³	800kg/m ³
Can be glued down?	✗	✗	✗	✓
Roll Size	20.4m ² / 60m ²	50m ²	10m ²	18m ² (3mm) / 12m ² (5mm)
BCA Compliant?	✗	✓	✓	✓
Acoustic Performance	Limited	Good	Good	Excellent

Embelton Underlays – Applications

Applications	Softwalk Combo Foam	Hush Platinum	Hush Gold	ImpactaMat
Bamboo	✓	✓	✓	✓
Engineered Timber	✓	✓	✓	✓
Laminate	✓	✓	✓	✓
Tiles	✗	✗	✗	✓
Solid Timber	✗	✗	✗	✓
Parquetry	✗	✗	✗	✓
Carpet	✗	✗	✓	✓
Concrete Screeds	✗	✗	✗	✓

Embelton Flooring Accessories

Embelton supplies an extensive range of trims, mouldings, adhesives, moisture barriers and other products, to complete Embelton floating floors. Please ask your retailer for further information.

Aluminium Trims

Motion Profile



Two sizes, 8mm and 15mm
Champagne, Charcoal, Silver

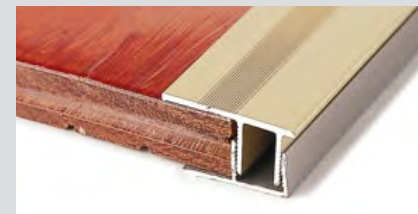
Transition Profile Ramp



Two sizes, 8mm and 15mm
Champagne, Charcoal, Silver

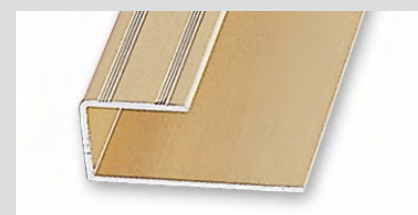


End Profile



Two sizes, 8mm and 15mm
Champagne, Charcoal, Silver

Senior / Junior End Trims



Two sizes, 8mm and 15mm
Champagne, Charcoal, Silver

Bamboo Accessories

Bamboo T-Moulding



Coffee and Natural
1850x50x14mm

Bamboo Scotia



All colours, except Daintree
and Nullarbor (supplied as
Coffee and Natural)
1850x89x14mm

Bamboo Stair Nosing



Coffee, Natural, Sepia and Uluru
1850x89x14mm
Unilin click profile

Laminate Scotia

Australian Longboards



All colours
– HDF scotia, 15x15x2400mm

Eco-Tuf



All colours (Gloss & Crystal)
– HDF scotia, 15x15x2400mm

Engineered Timber Mouldings

Hardwood Plus / Design Oak



Raw Tas Oak – 12x19x3000mm
Spotted Gum, Blackbutt,
Tas Oak, Jarrah, Blue Gum
(all stained) – 19x19x3000mm

Floor Care & Maintenance

Caring for your floor is easy. Vacuum or sweep the floor to remove dirt and debris, and use a slightly damp (but not wet) mop for regular cleaning. For preventative care, entrance mats and rugs in high wear areas should be considered, together with felt protectors for furniture and appliances.



Embelton Underlays – Quality, affordable flooring underlay

Hush Platinum

Hush Platinum is a good quality, affordable, high density 2mm thick polyethylene underlay, suitable for use underneath most hard floating floor applications, including timber, bamboo and laminate.

The product comes with an integrated peel and stick design, and utilises lay flat technology, making installation quick and easy. Hush Platinum also incorporates a 0.6mm damp-proof sheet, negating the need for a moisture barrier and helping to keep installation costs down.

Hush Platinum complies with the BCA Code on noise transmission, offering an acceptable acoustic performance in multi-tenanted developments. Where a higher acoustic performance is required, consideration should be given to using ImpactaMat Acoustic Rubber Underlay.

Hush Platinum Characteristics

- 2mm thick closed cell polyethylene high density underlay, with 0.06mm damp proof sheet.
- Water absorption of 0.04mg/cm². Will not mildew.
- Compression strength of 45k Pa at 25% compression. Higher density can affect sound isolation properties.
- 50m rolls, giving 50m² of coverage.
- Peel & stick strip on continuous damp proof sheeting.
- Lay flat technology.
- BCA Compliant.



Hush Platinum – Peel-and-stick for easy installation

Hush Gold (Available in WA only)

Hush Gold is a quality, affordable recycled rubber underlay for use under floating floors and carpet. Heavier and denser than Hush Platinum, it offers a slightly better acoustical performance and comes with a gold foil top surface, which acts as a barrier to prevent moisture reaching the top flooring layer.

Hush Gold is BCA Compliant, and comes in 10m rolls, enabling quick and easy installation.

Hush Gold Characteristics

- 3mm thick recycled rubber, with foil and non-woven fabrics.
- 10m rolls, giving 10m² of coverage.
- 900kg/m³ density.
- BCA Compliant.
- Tensile strength: 3mm = approx. 0.5N/mm².
- Elongation at break: 3mm = approx. 50%.
- Heat transmission coefficient: 3mm = 0.03m² K/W.
- Service temperature range: -30°C to 80°C.



Hush Gold

Softwalk 2mm Combination Foam Underlay

Basic combination foam underlay for use under floating floors.

ImpactaMat Acoustic Flooring Underlay

Embelton's premier acoustic underlay. Made from recycled rubber and bound together with a waterproof flexible binder, ImpactaMat is proven to achieve significant reductions in structure-borne noise, while also offering reductions in airborne noise (reflected noise in a room). It is versatile, easy to lay, and can be glued down or loose laid underneath tiles, timber, bamboo, laminate, cork, concrete screeds and even carpet.

Advantages of ImpactaMat

1. Tested and proven to achieve significant noise reduction.
2. Reduces structure-borne noise, ensuring a pleasant acoustic environment inside the room, as well as in adjacent rooms.
3. Versatile – ImpactaMat can be laid under a variety of different hard flooring types, including timber, bamboo, laminate, tiles, concrete and even carpet.
4. Meets and exceeds BCA requirements, giving confidence to architects and developers.
5. Anti-ageing – will not compress over time, ensuring sound absorption capabilities remain.
6. Will not absorb moisture, ensuring no change to the density of the product or the height of the floor.
7. Can be used with underfloor heating/cooling systems.
8. Environmentally friendly as it is made from recycled rubber.
9. ImpactaMat can be floated or glued down, making it easy to install.
10. Easy to cut, and offers excellent performance when used as pads or strips under battens.

ImpactaMat Characteristics

- Standard ImpactaMat comes in 3mm and 5mm thicknesses.
- Supplied in 1.2m x 10m rolls, 750-850kg/m³.
- BCA Compliant.
- Can be pre-cut and supplied in strips or pads. Can easily be cut onsite.
- For special orders, ImpactaMat can be supplied in 10mm, 20mm, 30mm and 60mm thicknesses.



ImpactaMat Acoustic Rubber Underlay, 3mm or 5mm



Mirvac Burswood Apartments, WA – ImpactaMat used exclusively within

Embelton Underlays – Keep it quiet!

Test Results of 5mm ImpactaMat 750, over a 150mm Concrete Slab

Flooring System	ImpactaMat Layer	LnTw + Ci Improvement Over Bare Slab – dB	Bare Slab			Plaster Ceiling			Embelton Resilient Ceiling with Acoustic Infill		
			LnTw + Ci	FIIC	AAC Star Rating	LnTw + Ci	FIIC	AAC Star Rating	LnTw + Ci	FIIC	AAC Star Rating
Vitreous floor tiles bonded to ImpactaMat	Full cover	16	60	45	2	50*	55*	4	47*	58*	4
Ceramic floor tiles bonded to ImpactaMat	Full cover	20	56	49	2	47	59	4	45	60	5
Granite floor tiles bonded to ImpactaMat	Full cover	21	55	51	3	49	57	4	45	59	5
12mm T&G bonded to ImpactaMat	Full cover	24	52	53	3	44	62	5	43	63	5
12mm T&G bonded to 12mm ply	Full cover	18	58	48	2	48	58	4	45	60	5
19mm T&G on timber battens	Pads	26	50	56	3	43*	62*	5	41	65	5
19mm parquetry bonded to ImpactaMat	Full cover	20	56	50	2	47	58	4	44	62	5
14mm floating timber floor laid over 2mm closed cell foam	Full cover	18	58	46	2	48	59	4	46	60	4
14mm floating timber floor bonded to ImpactaMat	Full cover	17	59	45	2	48	57	4	46	60	4
14mm floating timber floor loose laid over ImpactaMat	Full cover	17	59	46	2	49	57	4	46	60	4
Ceramic floor tile on 60mm concrete screed	Full cover	24	52	51	3	45	60	5	42*	62*	5
Ceramic floor tile on 60mm concrete screed	Full cover, 20mm ImpactaMat	28	48	58	4	42*	63*	5	40*	65*	6

* Conservative estimated values