

Soundproofing concrete floors



Dribond **CONSTRUCTION
CHEMICALS**

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Save time and cost
soundproofing concrete
floors in multilevel buildings
using high-quality Australian
developed and made mat/
adhesive to bond ceramic
tiles internally/externally
on balconies and wet areas.

Benefits

- Up to 50% cost saving
- Permanently bonded and does not become drummy like some competitive products
- Water-based and green-friendly
- Faster and simpler to apply
- Exceeds the acoustic requirements of the Building Code





Acoustic Adhesive



Acoustic Underlays

Create a fully-bonded acoustic bed with Acoustibond.

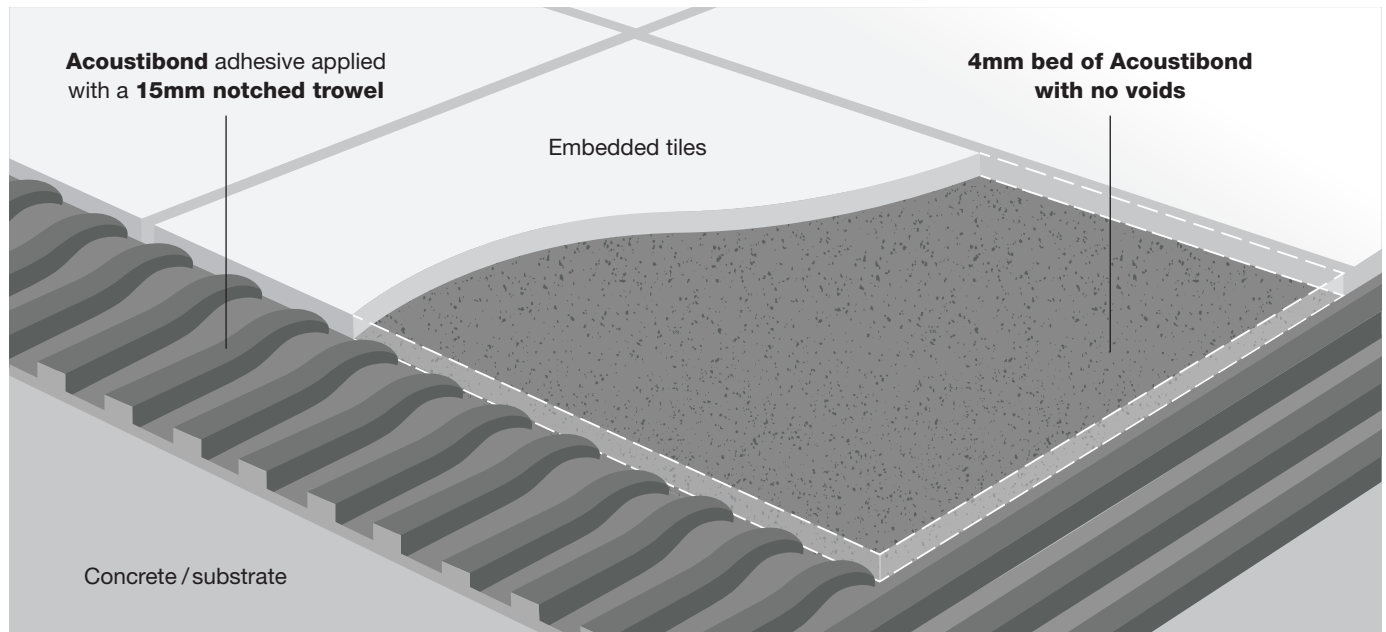
Acoustibond is a water-resistant, acrylic/rubber crumb, ceramic, porcelain and stone tile adhesive with soundproofing properties. Suitable for shower alcoves and balconies. Embedding tiles into the Acoustibond adhesive creates a fully-bonded 4mm acoustic bed with no voids.

Acoustibond

Water-resistant, soundproofing* ceramic, porcelain and stone tile adhesive.

Coverage

2 x 12.5kg powder plus 20L liquid/ 8-10m² using 15mm notched trowel, over a true surface to give a minimum 3mm dry adhesive bed thickness.



Self-level floors with acoustic underlays before tiling.

Acoustiscreed

Soundproofing* ceramic, porcelain and stone tile screed.

Coverage

20 litres of liquid plus 2 x 12.5kg powder covers approximately 5-6m² at 6mm thick using a 6mm Dribond pegged trowel.

Acoustiflor

Soundproofing* and anti-fracture membrane.

Coverage

20 litres of liquid mixed with 20kg of powder covers 7m² at 6mm thick using a 6mm Dribond pegged trowel.

*Impact noise

Application

- Movement joint
- Grout
- Stone, tiles, timber
- **Acoustibond**
- Waterproofing (if required)
- Screed (if required)
- **Acoustiscreed or Acoustiflor**
- Primer
- Concrete

Impact noise test results

200mm concrete slab 150mm cavity (no insulation) 13mm plasterboard	Decibels (dB) L'nT,w	Noise reduction
Bare Floor	60dB	Changes in sound level 3dB=Clearly noticeable, 10dB=Half as loud
10mm thick ceramic tiles 3mm Acoustibond	48dB	12dB
10mm thick ceramic tiles 3mm Acoustibond 6mm Acoustiscreed	45dB	15dB
10mm thick ceramic tiles 3mm Acoustibond 6mm Acoustiflor	44dB	16dB

The L'nT,w rating will vary depending on the building construction (i.e. concrete thickness, strength, use of suspended ceilings, density of tile/stone, and installation details). An accurate test is recommended for specific site performance figures.

Acoustic Testing Summary

Date	State	Acoustic Engineer	Location	Underlay	Adhesive	Tile Depth mm	Slab Depth mm	Cavity mm	Bare Slab L'nT,w	L'nT,w	Change in Points
2019	QLD	Dedicated Acoustics	External deck over habitable		Acoustibond	10	200	100	65	56	9
2019	QLD	Dedicated Acoustics	Noosa Springs Hutchinsons	6mm Acoustiflor	Acoustibond	10	200	100	69	50	19
2019	QLD	Dedicated Acoustics	Noosa Springs Hutchinsons	9mm Acoustiflor	Acoustibond	10	200	100	69	51	18
2018	QLD	Alpha Acoustics	34 Picnic Pt Maroochydore		Acoustibond	10	200	Nil	74	63	11
2018	QLD	Alpha Acoustics	34 Picnic Pt Maroochydore	6mm Acoustiflor	Acoustibond	10	200	Nil	74	59	15
2017	QLD	Alpha Acoustics	Deception Bay	6mm Acoustiflor	Acoustibond	10	180	Nil	71	61	10
2017	QLD	Alpha Acoustics	Deception Bay	9mm Acoustiflor	Acoustibond	10	180	Nil	71	60	11
2016	QLD	Alpha Acoustics	Parrearra Apartments		Acoustibond	10	200	Nil	69+Ci	55+Ci	10
2014	QLD	Palmer Acoustics	Cutters Landing	9mm Acoustiflor	Acoustibond	10	170	Nil	70	50	20
2014	QLD	Sound Matters	Broadway On Ann		Acoustibond	9	200	150	67	63	4
2013	QLD	Acoustic Works	Carmel by the Sea	6mm Acoustiflor	Acoustibond	9	180	Nil	71	62	9
2013	QLD	Acoustic Works	Carmel by the Sea		Acoustibond	9	180	Nil	71	67	4
2010	QLD	Aecom Acoustics	Grocon	9mm Acoustiflor	Acoustibond	10	200	75	64	50	14
2010	WA	Gabriels Environmental	Armagh Street Perth	6mm Acoustiflor			280	Nil	64	40	24
2009	SA	Vipac Engineers	Infinity Apartments	5mm Acoustiflor	Acoustibond	10	300	100	49 FIIC	65 FIIC	16
2009	SA	Vipac Engineers	Infinity Apartments		Acoustibond	10	300	100	49 FIIC	61 FIIC	12
2008	SA	Vipac Engineers	Newport Quays Stage II		Acoustibond	8	200	150	68	56	12
2007	WA	Gabriels Environmental	Ceressa Apartments	5mm Acoustiflor	Acoustibond	12	200	Nil	67	58	9
2007	WA	Gabriels Environmental	Ceressa Apartments	5mm Acoustiflor	Acoustibond	6	200	Nil	67	55	12
2007	WA	Gabriels Environmental	Ceressa Apartments	5mm Acoustiflor	Acoustibond	6	200	Nil	67	56	11
2007	WA	Gabriels Environmental	Ceressa Apartments		Acoustibond	6	200	Nil	67	60	7
2007	QLD	Palmer Acoustics	Norman Reach Bethany	6mm Acoustiflor	Acoustibond	8	240	117	66	51	15
2007	SA	Vipac Engineers	Newport Quays	5mm Acoustiflor	Acoustibond	8	200	100+ins	64	52	12
2007	SA	Vipac Engineers	Newport Quays		Acoustibond	8	200	100+ins	64	58	6
2007	SA	Vipac Engineers	Newport Quays		Acoustibond	8	200	100+ins	64	57	7
2007	WA	Gabriels Environmental	Soho Apartments	5mm Acoustiflor	Acoustibond	10	280	Nil	70	55	15
2006	QLD	Ron Rumble	Allisee Apartments	5mm Acoustiflor	Acoustibond	9	200	250	70	50	20
2006	QLD	Ron Rumble	Allisee Apartments	5mm Acoustiflor	Acoustibond	9	200	250+ins	69	48	21
2006	WA	Gabriels Environmental	Adelaide Tce Perth		Acoustibond	10	200	Nil	70	61	9
2006	WA	Gabriels Environmental	Adelaide Tce Perth	5mm Acoustiflor	Acoustibond	10	200	Nil	70	61	9
2006	WA	Gabriels Environmental	Stone Street	5mm Acoustiflor	Acoustibond	10	172	Nil	70	58	12
2006	QLD	Palmer Acoustics	Verve Broadbeach	5mm Acoustiflor	Acoustibond	10	220	170	66	58	8
2005	K/L	Palmer Acoustics	Mont Kiara Damai	5mm Acoustiflor	Acoustibond	10	200	300	66	57	9
2005	QLD	Palmer Acoustics	Ephraim Island	5mm Acoustiflor	Acoustibond	10	200	65	67	51	16
2005	WA	Gabriels Environmental	Rivervale		Acoustibond	10	175	Nil	71	62	9
2005	WA	Gabriels Environmental	Rivervale	5mm Acoustiflor	Acoustibond	10	175	Nil	71	59	12
2005	WA	Gabriels Environmental	Rivervale	5mm Acoustiflor	Acoustibond	10	175	Nil	71	62	9
2005	QLD	Palmer Acoustics	Riparian Plaza	5mm Acoustiflor	Acoustibond	8	250	65	66	56	10
2004	WA	Gabriels Environmental	Delhi Apartments		Acoustibond	8	60 Form + 112 bed	Nil	65	62	3
2004	WA	Gabriels Environmental	Delhi Apartments	5mm Acoustiflor	Acoustibond	8	60 Form + 112 bed	Nil	65	56	9
2004	WA	Gabriels Environmental	Delhi Apartments		Acoustibond	8	60 Form + 112 bed	Nil	65	56	9
2003	QLD	Ron Rumble	Cutters Landing Original	3mm Acoustiflor	Acoustibond	10	170	Nil	72	58	14
2003	QLD	Ron Rumble	Cutters Landing Original	5mm Acoustiflor	Acoustibond	10	170	Nil	72	57	15
2003	QLD	Ron Rumble	Cutters Landing Original		Acoustibond	10	170	Nil	72	62	10
2003	VIC	Marshall Day	Yarra's Edge	5mm Acoustiflor	Acoustibond	8	180	300	43 FIIC	54 FIIC	11
2002	QLD	Palmer Acoustics	Aria Apartments	5mm Acoustiflor	Acoustibond	10	220	65	67	51	16
2002	WA	Gabriels Environmental	The Moorings		Acoustibond	8	172	100	69	59	10
2002	WA	Gabriels Environmental	The Moorings	5mm Acoustiflor	Acoustibond	8	172	100	69	55	14
2001	WA	Gabriels Environmental	Upper Eastside Apartments	5mm Acoustiflor			200 Delta +70 bed	200	59	41	18
2001	WA	Gabriels Environmental	Panorama Apartments	5mm Acoustiflor			200 + 100 topping	300	65	44	20
2001	WA	Gabriels Environmental	Panorama Apartments	5mm Acoustiflor	Acoustibond	8	200 + 100 topping	300	65	56	9
2001	WA	Gabriels Environmental	Panorama Apartments	5mm Acoustiflor	Acoustibond	8	200 + 100 topping	300	58	49	9
2001	SA	Vipac Engineers	Brewery Apartments	7mm Acoustiflor		10	180	350	41 FIIC	54 FIIC	13

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