

# Technical specifications

Eternal meets the requirements of ISO 10582 and EN 649  
 Eternal decibel meets the requirements of EN 651

		Eternal	Eternal decibel	
	Total thickness	ISO 24346 / EN 428	2.0 mm	3.0 mm
	Wear layer thickness	ISO 24340 / EN 429	0.7 mm	0.7 mm
	Collection size		113	8
	Commercial use	ISO 10874 / EN 685	34 very heavy	34 very heavy
	Industrial use	ISO 10874 / EN 685	43 heavy	42 general
	Roll width	ISO 24341 / EN 426	2.00 m	2.00 m
	Roll length	ISO 24341 / EN 426	± 25 m	± 25 m
	Total weight	ISO 23997 / EN 430	2.8 kg/m <sup>2</sup>	2.55 kg/m <sup>2</sup>
	Dimensional stability	ISO 23999 / EN 434	< 0.1 %	< 0.1 %
	Acoustic impact noise reduction	EN ISO 717-2	-	17 dB
	Residual indentation	ISO 24343-1 / EN 433	≤ 0.05 mm	≤ 0.15 mm
	Abrasion resistance	EN 660-2	group T	group T
	Castor chair continuous use	ISO 4918 / EN 425	no effect	no effect
	Light fastness	ISO 105-B02	≥ 6	≥ 6
	Flexibility	ISO 24344 / EN 435	ø 10 mm	ø 10 mm
	Resistance to chemicals	ISO 26787 / EN 423	very good	very good
	Slip resistance	DIN 51130	R10	R10
	Electrical resistance	EN 1081	R1 > 1·10 <sup>9</sup> Ω	R1 > 1·10 <sup>9</sup> Ω
	Suitable for floor heating		Yes*	Yes*
	Water tight installation	EN 13553	Yes	not applicable



All Eternal products meet the requirements of EN 14041

	Reaction to fire	EN 13501-1	B <sub>fl</sub> -s1	B <sub>fl</sub> -s1
	Slip resistance	EN 13893	DS - μ ≥ 0.30	DS - μ ≥ 0.30
	Body voltage	EN 1815	≤ 2 kV	≤ 2 kV
	Thermal conductivity	EN 12524	0.25 W/m·K	0.25 W/m·K

\*Temperature < 30 °C

## UK

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 Fax: 01772 646 912

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 Registered in Scotland: No 41400



FLOORING SYSTEMS

creating better environments



# acoustic project vinyl



eternal decibel

creating better environments



FLOORING SYSTEMS



## Whatever your needs, Eternal offers the solution.

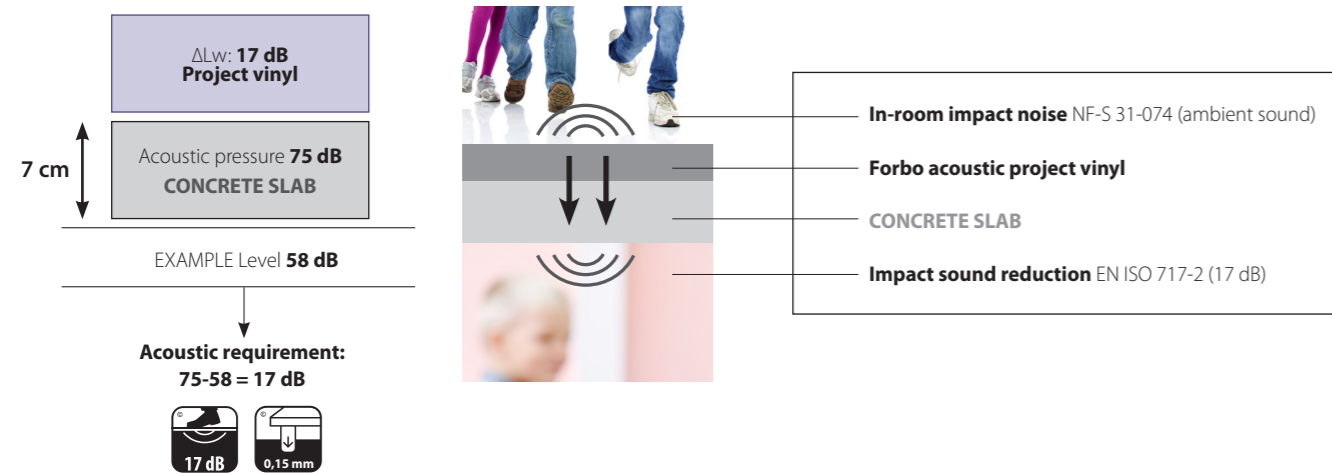
Eternal is now featuring a solution for contact-acoustic reducing flooring requirements; Eternal Decibel, offers a perfect visual match to Eternal compact project vinyl, while realising a 17dB sound reduction. Besides 7 authentic wood designs also the realistic Eternal Stone is incorporated in the collection. Eternal Decibel provides all high quality functionalities of the regular Eternal; a strong, durable, fit for purpose floor. With the PUR Pearl protection finish, appearance retention is guaranteed for warranty lifetime and cleaning requirements are reduced even under high traffic conditions. Now combinations of acoustic and compact flooring can be realised within the Eternal design range.

### Role of an acoustic floor covering

Sound is generated by almost all everyday activity. Impact sound is generated by traffic contacting the floor surface. It is therefore also the main area where a floor covering can influence acoustic performance.

### Impact sound made on the floor in one room is transmitted through the floor into rooms below.

In order to measure the impact sound reduction achieved by a floor covering, impact noise is generated with a hammer machine directly onto the concrete floor slab in an emission room and the sound level (S1) is recorded in the reception room below. The floor covering is then laid onto the concrete slab, the same impact noise is made on the floor covering, and the new sound level (S2) is recorded. The impact sound reduction (EN ISO 717-2) is the difference, measured in decibels, between the two sound levels recorded.



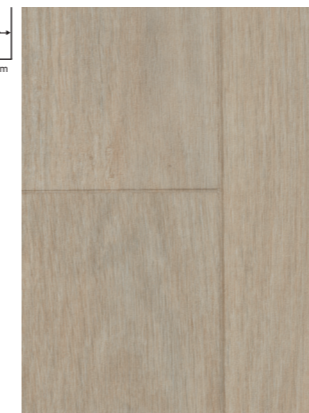
### Eternal Decibel

The Eternal Decibel items have the same properties as the general purpose items of the Eternal collection;

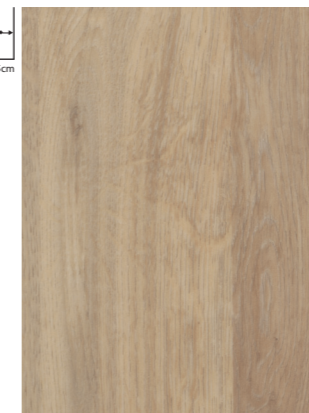
- Realistic designs
- Natural embossing: Matt PUR Pearl finish, and where applicable; embossing structure for the authentic visual
- PUR Pearl finish: lasting performance that also reduces the cleaning requirements
- Compact layers in the product: indentation residual minimized, no chair, table leg, bed marks visible
- High wear resistance: durable product for high traffic conditions
- Fully impregnated glass fleece creating stability & balance in the product
- Agbb compliant: certainty in health environments
- 40% scrap compound in backing
- 100% recyclable product, all post-production waste is re-used
- TVOC emission <250 µg/m<sup>3</sup>



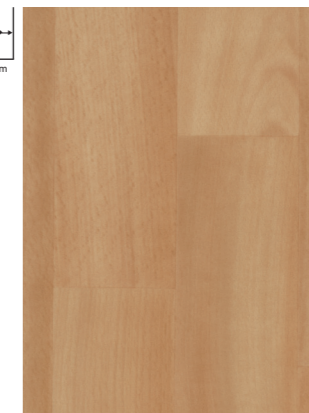
**eternal** decibel



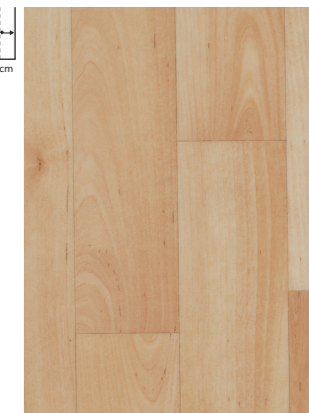
712802 | elegant oak



711912 | whitewash oak



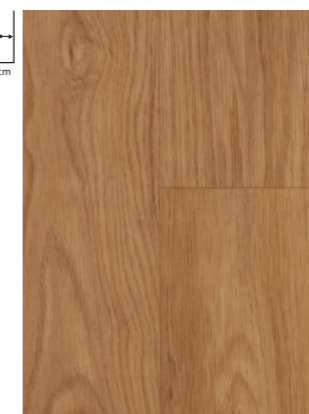
711442 | washed beech



711562 | tropical beech



710482 | rustic oak



711542 | traditional oak



710232 | dark walnut



712012 | quartz

The full Eternal collection is available as acoustic version, the eight items above are available from stock. Other items are on request. To see the full Eternal collection please check our website or contact our sales support for a brochure or sample book.

