

AngelStep® GOLD 8

PRODUCT DESCRIPTION

GOLD 8 is part of Acoustica's flooring underlay range, optimised for all types of floors from timber to bamboo, carpet, parquetry, cork and vinyl.

PHYSICAL PROPERTIES

Name	Thickness (mm)	Width x Length (m)	Material
AngelStep® GOLD 8	8mm	1150mm x 1150mm	A laminate of double needle punched high density sound absorbent polyester and a resilient 'cross linked' microcellular foam

MEASURED VALUES

Independently Tested By:	Results
West and Associates Pty Limited	Doc. 14201 28/10/2014 = GOLD8 + 15mm plywood + 15mm timber floor on a concrete slab with vermiculite result Lnt,w 36 = AAAC 6 stars
Palmer Acoustics Australia Pty Limited	Doc. 3770 v.0 28/11/2014 = GOLD8 + 14mm thick timber on a concrete slab result Lnt,w 40 = AAAC 6 stars
Wilkinson Murray Pty Limited	Doc. 16195/270516BC 27/05/2016 = GOLD8 + ply + 14mm engineered timber floor on a concrete slab with no ceiling cavity result Lnt,w 38 = AAAC 6 stars
Vipac Engineers & Scientists Ltd	Doc. 20E-16-0089- TPR-456023-0 Ltd 07/07/2016 - to achieve AAAC 6 stars Lntw 35 in combination with AngelStep® 630 (test conditions 15mm engineered oak floor on 2 layers of AngelStep® GOLD8 with AngelStep® 630 between over concrete slab, 80mm cavity & 10mm plasterboard.
Vipac Engineers & Scientists Ltd	Doc. 20E-16-0192-ADM-456564-0 06/10/2016 - to achieve AAAC 6 stars Lntw 40 with Novocore vinyl flooring over 200mm concrete slab with bare concrete ceiling

IN ACCORDANCE WITH THE FOLLOWING STANDARDS

- ASTM F-1294 (water vapour transmission rate)
- EN 826 (compressive strength)
- ISO 9052-1 (dynamic stiffness)
- EN 12431 (compressibility)
- ISO 16283-1:2014 Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 1: Airbourne sound insulation (refer to ISO 140-7:1998)

GENERAL PHYSICAL PROPERTIES

AngelStep® GOLD8	
Compressive Strength	2.16 kPa (at 10% deformation)
Compressibility (kPa)	0.1mm @ 50kPa
Dynamic Stiffness (MN/m ³)	19.99 MN/m ³
Water Vapour Transmission Rate	1gm/m ² /day
VOC concentration	Low VOC's (0.01mg/m ³), zero emissions and non-toxic (tested by Cetec Pty Ltd report CV080408)
Chemical Resistance	Water and chemical resistant
BCA compliant	Yes (separating floors between adjoining dwellings)
LnT,w	40
L'ntw +(C)	38 (0) (Tests have been conducted by independent acoustic engineers Parxis Acoustics and West & Associates)

