AngelStep® 630

PRODUCT DESCRIPTION

Part of the AngelStep® range, this acoustic underlay is designed to enhance the acoustic performance of vinyl flooring, carpet tiles and 'kilp-on' vinyl planks (Floor finishes that do not allow defection movements of more than 0.25-0.5mm). It is highly effective against impact and airborne noise. Recommended for thin vinyl or vinyl that does not interlock or clip together.

PHYSICAL PROPERTIES

Name	Thickness (mm)	Width x Length (m)	Material
AngelStep® 630	4mm	1200mm x 1200mm	Polyester

GENERAL PHYSICAL PROPERTIES

AngelStep® 630	
Fire class/fire hazard properties	Group 1-S Smoke production rate <5.0m2/s B-s2,d0 report dated 22/07/2009 Group 1 (SMORGArc) <100m2/s2
Compressive strength (kPa)	1.68 kPa (at 10% deformation)
Dynamic Stiffness (MN/m3)	52.94 MN/m3
Compressibility	0.1mm @ 50 kPa
VOC Concentration	Low VOC's (0.01mg/m3), zero emissions, and non-toxic Tested by Cetec Pty Ltd (CV080408) for chemical emission
Chemical Resistance	Water and chemical resistant
To achieve Lnt,w of 37	Better than AAAC rating 6 stars - Independently tested by Vipac Engineers & Scientists Ltd May 2016; Document 20E-16- 0040-455704 under loose lay vinyl in a building over 50 years old
To achieve Lnt,w of 42	Better than AAAC rating 5 stars - Independently tested by Vipac Engineers & Scientists Ltd June 2016; Document 20E-16- 0085-455973 under 20mm solid oak on plywood with a 190mm concrete slab, 80mm cavity with no insulation & 10mm plasterboard ceiling
To achieve Lnt,w of 43	Better than AAAC rating 5 stars - independently tested by Vipac Engineers & Scientists Ltd October 2016; document 20E-16- 0192-ADM-456564-0 under Novocore vinyl with a 200mm concrete slab with bare concrete ceiling

IN ACCORDANCE WITH THE FOLLOWING STANDARDS

- EN 826 (compressive strength)
- ISO 9052-1 (dynamic stiffness)
- EN 12431 (compressibility)
- ISO 9705- 1993 (fire rating) as required by NZBC C/VM2
- AS ISO 9705-2003 (fire rating) as required by BCA C1.10; tested 10/05/2012 BRANZ FI 4871
- EN13501-1:2007 (fire rating)