

TFI Report 440929-07 Reduction

Reduction of transmitted impact noise by floor coverings

Customer	Mac Lean Products B.V.
	Plaza 20
	4782 SK Moerdijk
	NIEDERLANDE
Product	underlay
	Isosilence
Responsible at TFI	DrIng. Alexander Siebel
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	This report includes 3 pages and 1 annex(es)
Aachen, 28.07.2014	Dr. Ernst Schröder
AACHEN)	The present document is provided with a qualified electronic signature and is valid without autograph signature.
Hand I	

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Testing laboratory, inspection and certification body recognised by the DIBt (Deutsches Institut für Bautechn



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1 Transaction

Test order	Impact sound reduction according to EN ISO 10140-3:2010, EN ISO 717-2:2006
Order date	09.04.2014
Your reference	Marco Evers
Product designation	Isosilence
TFI sample number	14-05-0262

2 Product Specification / Construction

Construction (from top to bottom)	TFI sample number	Total thickness	Total mass per unit area
QuickStep Eligna (floating laminate)	14-01-0190	8,0 mm	
Isosilence (underlay) *customer information	14-05-0262	2,8 mm*	~ 1318 g/m²
Floating laminate			
Product designation	QuickStep Eligna		
TFI sample number	14-05-0190		
Structure	flat		
Pattern	multicoloured, patterned		
Colour of the use surface	brown, light brown, dark bro	wn	

Underlay

TFI sample number
Type of underlay
Product image
(front/back side)

Isosilence 14-05-0262 foam





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3 Results

Impact sound reduction	$\Delta L_w = 21 \text{ dB}$
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ΔL_{lin}	=	11	dB
			чD

4 Annexes

Impact sound reduction TS 440929-07

The annexes marked ^a are based on tests accredited in accordance with EN ISO/IEC 17025.



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Annex TS - Impact Sound Insulation

1 Transaction	
Product designation	Isosilence
TFI sample number	14-05-0262
Testing period	26.05.2014
2 Test Method / Requirements	
EN ISO 10140-3:2010	Laboratory measurement of sound insulation of building elements – Part 3: Measurement of impact sound insulation
Deviations	sample size > 10m² weighted with 20 kg/m²
EN ISO 717-2:2013	Rating of sound insulation in buildings and of building elements – Part 2: Impact sound insulation
Deviations	None
3 Results	

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Annex TS - Impact sound insulation

Impact sound insulation according ISO 10140-1

Measurment of impact sound insulation by a floor covering on a solid concrete floor



TS 440929-07