

Natural Hybrid Technical Data

Standard		Result
Tile Size (mm)		1830 x 177.8 mm
Total Thickness (mm)		7 mm (5.5+1.5mm IXPE Backing)
Wear Layer Thickness (mm)		0.5 mm
Weight (± 50 Gr/m ²)	EN 430	10.76 kg / m ²
Box Quantity		1.95 m ² / 6 Planks / 20.98 kg
Dimension Squareness and Straightness	EN 431	Pass
		Pass
Impact Sound Reduction	ISO 140-7	L'nT,w 38(200mm slab) / L'nT,w 51(150mm slab)
Dimension Stability	EN 434	0.10%
Color Fastness to Light	ISO 105 B02	\geq Grade6
Wear Resistance	EN 660-1	Weargroup: T
Scratch Resistance	ISO 10582	3500g
Slip Resistance	AS 4586:2013	P4 / R11
Fire Rating	AS. ISO 9239.1 2003	Pass
Resistance to Chemical	EN 423	Pass
Residual Indentation	EN 433	Pass, 0.06mm
Environmental	Floor score (SCS-EC10.3-2014 v4.0))	Indoor Air Quality Certified; low VOC emissions



For more information  1300 093 745

Email info@decoline.com.au Visit www.decoline.com.au

FIELD IMPACT SOUND INSULATION - TEST CERTIFICATE

Test 2 of 2

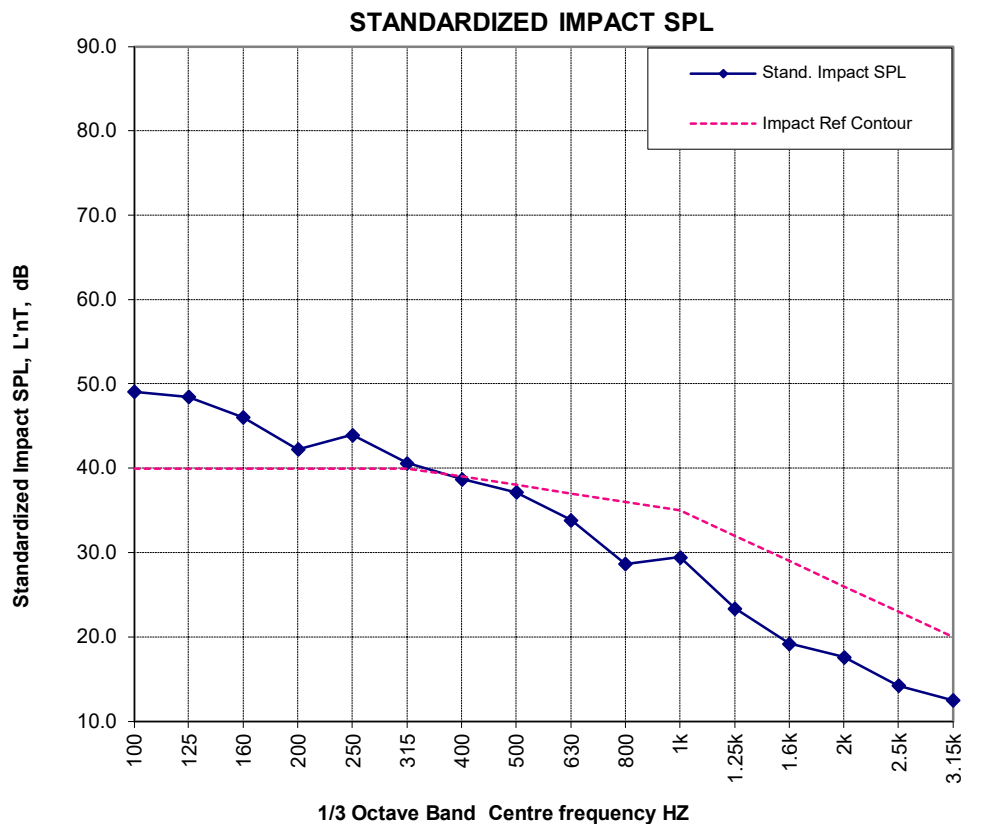
7mm SPC Hybrid Plank sample

PROJECT: PN4921 U706 The Hudson, 50 Hudson Rd, Albion LNT **Meas. Date:** 15-May-2020
Test Location: Level 7 U706 Living Area to Level 6 U606 Living Area **Meas. Parameter:** LLeq
Test Surface: 7mm SPC Hybrid Plank sample **Tapping Machine:** Look Line EM50
Client: Decoline **Receiving Room Volume:** 52 m³
Test Performed: Hasitha Gallage

DESCRIPTION OF FLOOR AND SPECIMEN **No. of Source posn:** 2
Unit: 7mm SPC Hybrid Plank sample **Mic. posn:** 2 sweeps
Product: **RT meas:** 5 Imp.
Adhesive: Loose laid **SLM:** Nor 140
Ceiling: Plasterboard
Slab: 200mm thick Concrete

Weighted Standardized Impact SPL	L'nT,w	38	ISO 16283-2:2015 & 717-2:2013
Results standardized to a RT of 0.5 seconds			
Impact Insulation Class	FIIC	68	ASTM E1007-97 & E989-89

Centre Frequency	Stand. Impact SPL	Impact Ref Contour	Deficiencies
Hz	dB	dB	dB
100	49.1	40	9.1
125	48.5	40	8.5
160	46.0	40	6.0
200	42.2	40	2.2
250	43.9	40	3.9
315	40.6	40	0.6
400	38.7	39	
500	37.1	38	
630	33.9	37	
800	28.6	36	
1k	29.5	35	
1.25k	23.4	32	
1.6k	19.2	29	
2k	17.6	26	
2.5k	< 14.2	23	
3.15k	< 12.5	20	
Total			



L'nT,w 38 30.3

FIELD IMPACT SOUND INSULATION - TEST CERTIFICATE

Test 2 of 2

Natural SPC Hybrid flooring sample

PROJECT: U80 Gemini Court, 45 Hayle St, Burleigh Heads LNT
Test Location: Level 5 U80 Living Area to Level 4 U76 Living Area
Test Surface: Natural SPC Hybrid flooring sample
Client: Decoline
Test Performed: Hasitha Gallage

Meas. Date: 26-Aug-19
Meas. Parameter: LLeq
Tapping Machine: Look Line EM50
Receiving Room Volume: 112 m³

DESCRIPTION OF FLOOR AND SPECIMEN

Unit: Natural SPC Hybrid flooring sample
Product:
Adhesive: Loose laid
Ceiling: Exposed concrete slab
Slab: 150mm concrete slab

No. of Source posn: 2
Mic. posn: 2 sweeps
RT meas: 6 Imp.
SLM: Nor 140

Weighted Standardized Impact SPL

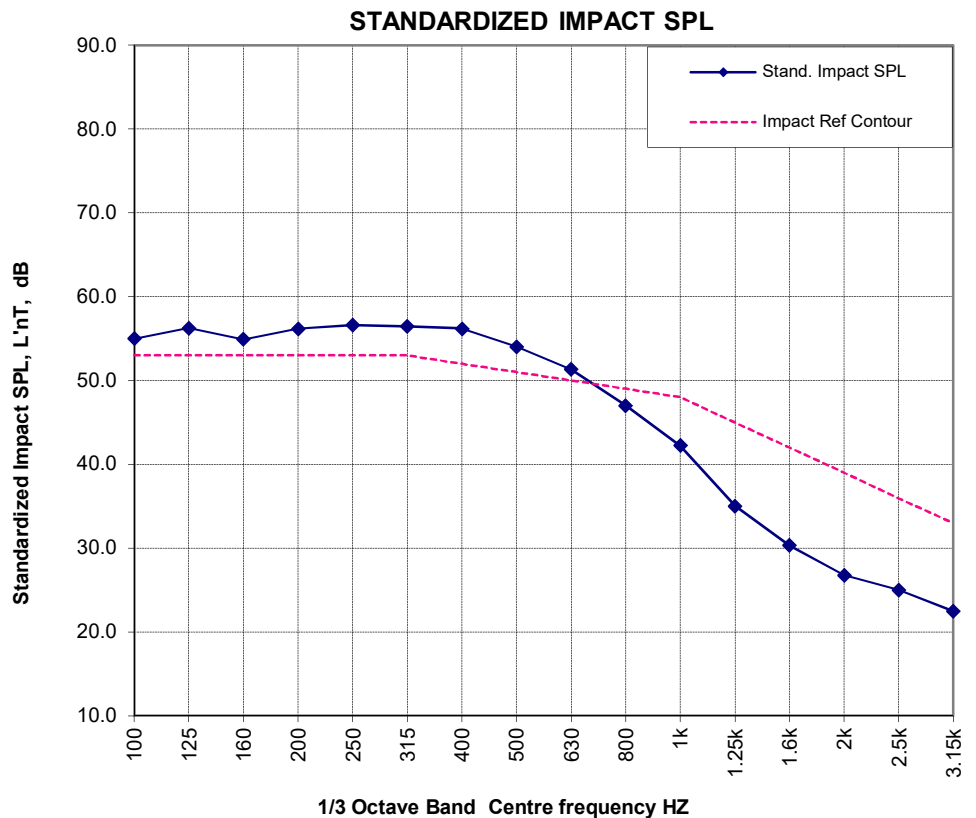
L'nT,w

51

ISO 16283-2:2015 & 717-2:2013

Results standardized to a RT of 0.5 seconds

Centre Frequency Hz	Stand. Impact SPL dB	Impact Ref Contour dB	Deficiencies dB
100	55.0	53	2.0
125	56.3	53	3.3
160	54.9	53	1.9
200	56.2	53	3.2
250	56.6	53	3.6
315	56.4	53	3.4
400	56.2	52	4.2
500	54.0	51	3.0
630	51.3	50	1.3
800	47.0	49	
1k	42.2	48	
1.25k	35.0	45	
1.6k	30.3	42	
2k	< 26.8	39	
2.5k	25.0	36	
3.15k	22.5	33	
Total			



L'nT,w 51 26.0



Infrastructure Technologies

Gate 5, 2 Normanby Road Clayton VIC 3168, Australia

Telephone: 61 3 9545 2777 Web: <http://www.csiro.au>

Registered Testing Authority - CSIRO

1 October 2019

Our Ref. EN13 / 2582 03/0212

TEST REPORT No. 8283

Requested by: Decoline Pty Ltd
3/3363-3365 Pacific Highway
Slacks Creek,
QLD 4127

on (date): 21 August 2019

Manufacturer: Decoline Pty Ltd

Product Desc.: Natural SPC Hybrid, SPC Hybrid 5.5mm + 1.5mm IXPE Backing, PU Coating.

Sampling details:

Where: At customer premises

Date: 26 August 2019

By whom: customer (delivered by courier)

How (methods): N/A

The results reported relate only to the sample(s) tested and the information received. No responsibility is taken for the accuracy of the sampling unless it is done under our own supervision. CSIRO cannot accept responsibility for deviations in the manufactured quality and performance of the product. While CSIRO takes care in preparing the reports it provides to clients, it does not warrant that the information in this particular report will be free of errors or omissions or that it will be suitable for the client's purposes. CSIRO will not be responsible for the results of any actions taken by the client or any other person on the basis of the information contained in the report or any opinions expressed in it. The reproduction of this test report is only authorised in the form of a complete photographic facsimile. Our written approval is necessary for any partial reproduction.

This test report consists of 4 pages

SUMMARY OF SLIP RESISTANCE TESTS PERFORMED:

	Result	Class
AS 4586:2013		
Slip resistance classification of new pedestrian surface materials		
Appendix A: WET PENDULUM TEST METHOD (Slider 96):		
Mean SRV:	46	P4

In order to interpret the classifications, please refer to Standards Australia Handbook 198, An Introductory Guide to the Slip Resistance of Pedestrian Surface Materials, which recommends minimum classifications for a wide variety of locations.

It is important to realise that test results obtained on unused factory-fresh samples may not be directly applicable in service, where proprietary surface coatings, contamination, wear and subsequent cleaning all influence the behaviour of the pedestrian surface.



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REPORT NO: 8283 Page 2 of 4
ISSUE DATE: 1 October 2019
MANUFACTURER: Decoline Pty Ltd
PRODUCT DESC: Natural SPC Hybrid, SPC Hybrid 5.5mm + 1.5mm IXPE Backing, PU Coating.

PHOTOS:



Top view



Close up



REPORT NO: 8283 Page 3 of 4
 ISSUE DATE: 1 October 2019
 MANUFACTURER: Decoline Pty Ltd
 PRODUCT DESC: Natural SPC Hybrid, SPC Hybrid 5.5mm + 1.5mm IXPE Backing, PU Coating.

SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

WET PENDULUM TEST METHOD

TEST CARRIED OUT IN ACCORDANCE WITH
AS 4586:2013 (Appendix A)

Test Date: 1 October 2019

RESULTS: Location: Slip Resistance Laboratory Slider used: 96
Conditioned with grade P400 paper, dry
and Imperial Lapping Film Grade 3MIC, wet

Sample: Unfixed
 Cleaning: Deionized water
 Temperature: 21.9°C

Pendulum Friction Tester: ERM 030.040 (S/N: 1726, calibrated 20/09/19), S 96 serial #: 87 (expired on 20/2/2020)
Test conducted by: Khanh Ho

	Specimen				
	1	2	3	4	5
Last 3 swings (BPN)	50	45	47	46	44
	49	45	46	45	43
	49	45	46	45	43
Averages	49	45	46	45	43

Mean SRV : 46

CLASS :

P4

Certificate of Test

Quote No.: NR8394

No. FNR12592C

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This is to certify that the specimen described below was tested by CSIRO Infrastructure Technologies in accordance with Australian Standard ISO 9239, Reaction to fire tests for floorings, Part 1: Determination of the burning behaviour using a radiant heat source, 2003, on behalf of:

Decoline Pty Ltd
3/3363-3365 Pacific Highway
SLACKS CREEK QLD 4127
AUSTRALIA

A full description of the test specimen and the complete test results are detailed in the Division's sponsored investigation report numbered FNR 12592.

SAMPLE

IDENTIFICATION: Natural SPC Hybrid Oak Flooring

DESCRIPTION OF

SAMPLE: The sponsor described the tested specimen as a composite hybrid flooring system comprised of the following layers:

- Layer 1: 2-mm thick coating comprised of modified polyurethane (PU);
- Layer 2: 0.5-mm thick wear layer comprised of modified polyvinyl chloride (PVC);
- Layer 3: 1-mm thick print layer comprised of modified PVC;
- Layer 4: 3-mm thick diamond core comprised of modified stone powder;
- Layer 5: 1.5-mm thick acoustic backing comprised of modified polyethylene.

The layers were adhered together using a thermal treatment process.

Nominal total thickness: 8 mm
Nominal total mass: 12.3 kg/m²
Colour: grey (timber pattern)

Note: The test results were based on the samples cut in the longitudinal direction.

TEST PROCEDURE: Samples were tested in accordance AS ISO 9239; Australian Standard, Reaction to fire tests for floorings, Part 1: Determination of the burning behaviour using a radiant heat ignition source, 2003. Four (4) samples were tested in accordance with AS 9239.1-2003.

SAMPLE

CLASSIFICATION: Mean distance of flame travel: 90 mm
Average Critical Radiant Flux: ≥ 11 kW/m²
Average integrated smoke value: 25 % x min

These test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Testing Officer: Faustin Molina Date of Test: 9 June 2020

Issued on the 9th day of October 2020 without alterations or additions.



Stephen Smith
Team Leader, Reaction to Fire & Façade Fire Laboratory

End of Report



NATA Accredited Laboratory
Number: 165
Corporate Site No 3625
Accredited for compliance with ISO/IEC 17025 - Testing.

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