

## Natural Hybrid Technical Data

	Standard	Result
Tile Size (mm)		1830 x 228.6 mm
Total Thickness (mm)		7 mm (5.5 + 1.5mm IXPE Backing)
Wear Layer Thickness (mm)		0.5 mm
Weight ( $\pm 50$ Gr/m <sup>2</sup> )	EN 430	11.57 kg / m <sup>2</sup>
Box Quantity		2.09 m <sup>2</sup> / 5 Planks / 24.18 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 / R10
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 ☎ 07 3488 8115

Email [info@decoline.com.au](mailto:info@decoline.com.au) Visit [www.decoline.com.au](http://www.decoline.com.au)

**FIELD IMPACT SOUND INSULATION - TEST CERTIFICATE**

Test 2 of 2

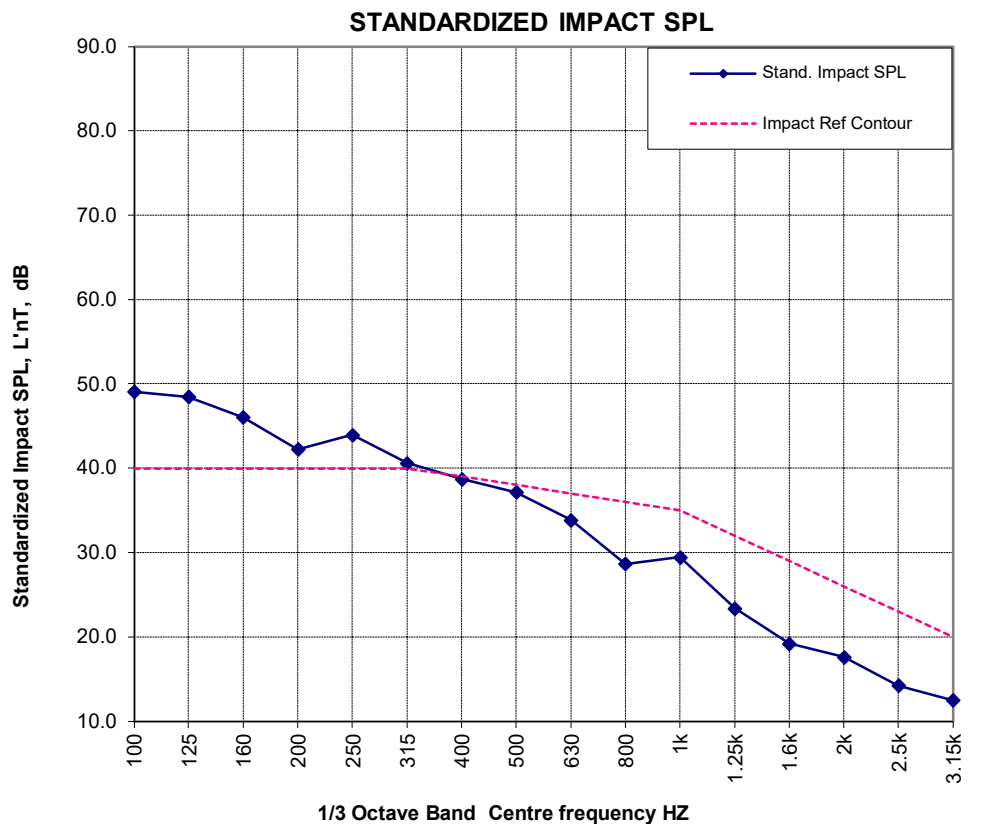
**7mm SPC Hybrid Plank sample**

**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 m<sup>3</sup>  
**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

<b>Weighted Standardized Impact SPL</b>	<b>L'nT,w</b>	<b>38</b>	ISO 16283-2:2015 & 717-2:2013
Results standardized to a RT of 0.5 seconds			
<b>Impact Insulation Class</b>	<b>FIIC</b>	<b>68</b>	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	
<b>Total</b>			



L'nT,w 38 30.3

**FIELD IMPACT SOUND INSULATION - TEST CERTIFICATE**

Test 2 of 2

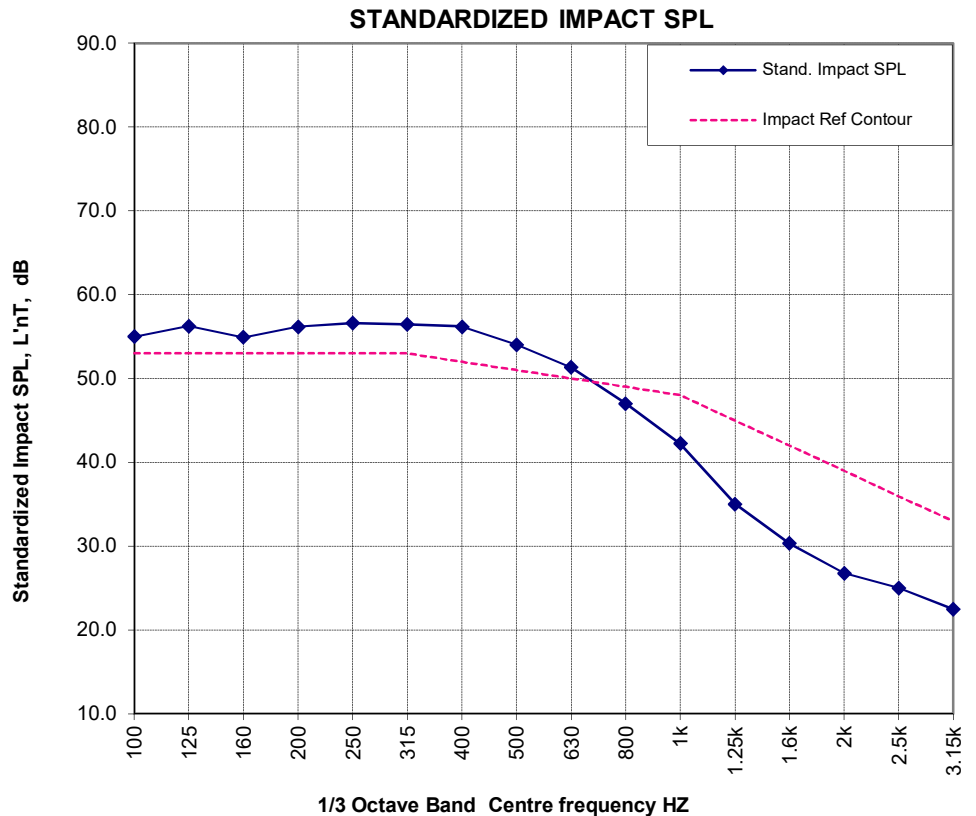
**Natural SPC Hybrid flooring sample**

**PROJECT:** U80 Gemini Court, 45 Hayle St, Burleigh Heads LNT **Meas. Date:** 26-Aug-19  
**Test Location:** Level 5 U80 Living Area to Level 4 U76 Living Area **Meas. Parameter:** LLeq  
**Test Surface:** Natural SPC Hybrid flooring sample **Tapping Machine:** Look Line EM50  
**Client:** Decoline **Receiving Room Volume:** 112 m<sup>3</sup>  
**Test Performed:** Hasitha Gallage

**DESCRIPTION OF FLOOR AND SPECIMEN** **No. of Source posn:** 2  
**Unit:** Natural SPC Hybrid flooring sample **Mic. posn:** 2 sweeps  
**Product:** **RT meas:** 6 Imp.  
**Adhesive:** Loose laid **SLM:** Nor 140  
**Ceiling:** Exposed concrete slab  
**Slab:** 150mm concrete clab

**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	
<b>Total</b>			<b>26.0</b>



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.



# Infrastructure Technologies

Gate 5, 2 Normanby Road Clayton VIC 3168, Australia

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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
<b>Last 3 swings (BPN)</b>	50	45	47	46	44
	49	45	46	45	43
	49	45	46	45	43
<b>Averages</b>	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/m<sup>2</sup>  
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:  $\geq 11$  kW/m<sup>2</sup>  
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 9<sup>th</sup> 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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