

## TEST REPORT

DATE: 01-14-2025

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TEST NUMBER: 0313881

CLIENT	Urban Surfaces
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TEST METHOD CONDUCTED	NALFA Assembled Joint Surface Swell Test
<b>DESCRIPTION OF TEST SAMPLE</b>	
IDENTIFICATION	Timber Haus
CONSTRUCTION	8mm + 1mm Eco Pad Laminate Water Resistant
BACKING	1mm Eco Pad

### GENERAL PRINCIPLE

The submitted locking planks were assembled to have an end joint and two edges in order to form a "T" joint. A 9mm deep pool of liquid was held over T joint by 4" diameter PVC ring sealed to sample with sealing compound. The volume of liquid used was 100 ml. The sample was held under the applied liquid for 24 hrs. Visual evaluation and swell measurement were performed initially and after conclusion of test. The thickness was measured by calibrated gauge over 4 marked areas of the seam. This test was conducted using water.

### TEST RESULTS

SAMPLE #1	Position 1	Position 2	Position 3	Position 4
Wet Swell	0.137 mm	0.104 mm	0.141 mm	0.098 mm
Recovery Swell	0.072 mm	0.058 mm	0.089 mm	0.041 mm

QUALITATIVE RATING WET SWELL	2
QUALITATIVE RATING RECOVERY SWELL	1

SAMPLE #2	Position 1	Position 2	Position 3	Position 4
Wet Swell	0.152 mm	0.119 mm	0.149 mm	0.102 mm
Recovery Swell	0.097 mm	0.064 mm	0.086 mm	0.057 mm

QUALITATIVE RATING WET SWELL	2
QUALITATIVE RATING RECOVERY SWELL	1

QUALITATIVE RATING KEY	
1	No change – No noticeable change in edge swell or panel surface lift
2	Slight swelling – Slight swelling, small ridge along one or more joints, very little if any panel surface lift
3	Significant - Noticeable edge swelling and some panel surface lift extending away from joint
4	Objectional – Severely raised edge and swelling extending noticeably under the panel surface
5	Invalid Test – Water leaked out of the ring, leaving no continuous film of water inside the ring (this grade is given even if there is no swell of the edge joint)

**\*NOTE: No penetration occurred through the seam.**

APPROVED BY:



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