



Surface Swell Test – Assembled Joint Test Report

Sample Name	RLVT
Spec	1235*178*5mm
Click	Angle-Angle
Manufacturer	CFL flooring (China) Co Ltd
Test Required	To Test Surface Swell – Assembled Joint of RLVT
Test time	2021-11-9

Test Method

Refer to NALFA Laminate Surface Swell Test – Assembled Joint

Lab environment condition: (23±2)°C, (50±5)%RH

Preconditioning: (23±2)°C, (50±5)%RH for a minimum of 100h

Sample No.1 Average Test results:

Test Item	Test Method	Test Condition	Test Results
RLVT Surface Swell Test – Assembled Joint	Refer to NALFA Surface water test STM_rev_3-1- 2018 and client's requirement	Specimen: 1235*178*5mm 2pcs Exposure time: 100h Recovery time: 24h	The inverted "T" Joint Wet swell value: 0 mm
			"Wet swell average": 0 mm
			The inverted "T" Joint Recovery swell value: 0 mm
			"Recovery swell average": 0 mm
			Remaining water after 100h exposure time (%): 35%
			Qualitative rating: Grade 1 (see note)

Sample No.2 Average Test results:

Test Item	Test Method	Test Condition	Test Condition
RLVT Surface Swell Test – Assembled Joint	Refer to NALFA Surface water test STM_rev_3-1- 2018 and client's requirement	Specimen:1235*178*5mm 2pcs Exposure time: 100h Recovery time: 24h	The inverted "T" Joint Wet swell value: 0 mm
			"Wet swell average": 0 mm
			The inverted "T" Joint Recovery swell value: 0 mm
			"Recovery swell average": 0 mm
			Remaining water after 100h exposure time (%): 35%
			Qualitative rating: Grade 1 (see note)

Conclusion:

RLVT reaches grade 1 with no water leaking after 100hrs.

Grade Note:

- 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 in 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)

Test Photograph:



Tested By: Jayce	Checked by: Belinda	Approved by: Raquel
Date:2021. 11.15	Date:2021.11.15	Date:2021. 11. 24