





All tests reported herein have been performed in accordance with the laboratory's scope of accreditation

No. 1566379.2

(Please quote this number in all correspondence)

SAMPLE RECEIVED FROM: Belgotex	Date Received:	09.04.25
SAMPLE DESCRIPTION:		
Bjelin XL/XXL assembly flooring		
Client Reference:		1 of 4
	Belgotex SAMPLE DESCRIPTION: Bjelin XL/XXL assembly flooring 11.3mm Harden Timber.	Belgotex SAMPLE DESCRIPTION: Bjelin XL/XXL assembly flooring 11.3mm Harden Timber.

ISO 4760:2022(E) - LAMINATE FLOORING - TOPICAL MOISTURE RESISTANCE - ASSEMBLED JOINT (MODIFIED)

Method

The sample was cut into pieces then connected using the profiled locking edges and fastened into an assembled floating "T joint" configuration as per the test method. The testing was performed in triplicate.

Weights were placed on the outer corners of the test specimens to keep the samples flat throughout the test procedure. 100 mls of dye solution was applied onto the sample surface. It was poured into a cylinder 100mm diameter placed in the centre of the sample at the "T joint." Sealant was used at the plank/cylinder interface to avoid leakage.

The sample was placed on white paper towels prior to testing to enable detection of any dye penetration through the joints. The sample was left at 20°C, 65% Relative Humidity room conditions for 24 hours after the dye was added and then examined for dye penetration through the backing (not 23°C, 50% RH as stated in the method).

If swelling measurements are requested, thickness measurements are taken at specified test positions - before water, within 15 minutes after water removal (qualitative and quantitative) and 24 hours after removal of water

(qualitative and quantitative).

Quantitative measurements are used to calculate surface swell in mm (within 15 minutes after water removal) and recovery swell (24 hours after removal of water).

Date Tested: 29.04.25

Note: Samples were assembled by the client. Results:

Quantitative Results:	Wet Swell (mm)			Recovered Swell (mm)		
	Specimen 1	Specimen 2	Specimen 3	Specimen 1	Specimen 2	Specimen 3
Final Average Results	Not	Not	Not	Not	Not	Not
(Positions 2 to 4)	requested	requested	requested	requested	requested	requested
Final Results (Position 1)	Not	Not	Not	Not	Not	Not
	requested	requested	requested	requested	requested	requested

"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED" Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. This document shall not be reproduced except in full.

C Marshall Key Technical Person 02/05/2025







All tests reported herein have been performed in accordance with the laboratory's scope of accreditation



(Please quote this number in all correspondence)

CLIENT: Belgotex 25 Leslie Hills Drive Riccarton, Christchurch SAMPLE RECEIVED FROM: Belgotex

Date Received: 09.04.25

SAMPLE DESCRIPTION: Bjelin XL/XXL assembly flooring 11.3mm Harden Timber.

Client Order No.:

Attn.: Olan Racaza.

Client Reference:

2 of 4

	Wet Swell		Recovered Swell			
	Specimen 1	Specimen 2	Specimen 3	Specimen 1	Specimen 2	Specimen 3
Qualitative Ratings (individual results):	1	2	2	1	1	1

Qualitative Grade:

1 = No change - Little to 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 = Moderate - Noticeable edge swelling and some panel surface lift extending away from joint

4 = Objectional - Severely raise edge and swelling extending noticeably under the panel surface

5 = Failed 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)

Observations:	Specimen 1	Specimen 2	Specimen 3
Migration of water along the upper surface:	Yes	Yes	Yes
Migration of water to the underside:	No	No	No

Disassembly Observations:	Specimen 1	Specimen 2	Specimen 3
Migration of water along the upper surface:	Yes	Yes	Yes
Migration of water to the underside:	No	No	No

Note: The Acceptable Solutions and verification methods, New Zealand Building Code E3 Internal Moisture defines on page 9 definitions - "Impervious" - that which does not allow the passage of moisture. While E3.3.3 and E3.3.6 require impervious surfaces about sanitary appliances/fixtures, the impervious performance criteria compliance covered in Page 11 mentions "No specific methods have been adopted for verifying compliance with the performance of NZBC E3." In summary, the Objective (3.1) and Functional requirement (3.2) of E3 is to prevent illness/injury or damage through accumulation of moisture, or damage caused by free water penetration.

"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED" Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. This document shall not be reproduced except in full.

C Marshall Key Technical Person

02/05/2025





No. 1566379.2

Date Received: 09.04.25

(Please quote this number in all correspondence)

CLIENT: Belgotex 25 Leslie Hills Drive Riccarton, Christchurch

All tests reported herein have been performed in

accordance with the laboratory's scope of

accreditation

Attn.: Olan Racaza.

CCREDITED

TESTING

Client Order No.:

SAMPLE RECEIVED FROM: Belgotex

SAMPLE DESCRIPTION: Bjelin XL/XXL assembly flooring 11.3mm Harden Timber.

Client Reference:

3 of 4



After 24 hrs With Water



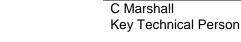


Recovered Swell

Wet Swell

Recovered Swell (Disassembled)

C.



02/05/2025

"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED" Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION 0NLY. This document shall not be reproduced except in full.







All tests reported herein have been performed in accordance with the laboratory's scope of accreditation



Date Received: 09.04.25

(Please quote this number in all correspondence)

CLIENT: Belgotex 25 Leslie Hills Drive Riccarton, Christchurch

Attn.: Olan Racaza.

Client Order No.:

SAMPLE RECEIVED FROM: Belgotex

SAMPLE DESCRIPTION: Bjelin XL/XXL assembly flooring 11.3mm Harden Timber.

Client Reference:

4 of 4



"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED" Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION 0NLY. This document shall not be reproduced except in full.

C Marshall Key Technical Person 02/05/2025