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

No. 1601041.5

(Please quote this number in all correspondence)

CLIENT:
Gilt Edge Industries Limited
PO Box 7515
Sydenham, Christchurch 8240

Attn.: Nick Richardson

SAMPLE RECEIVED FROM:
Gild Edge Industries Limited

Date Received: 22.1.26

SAMPLE DESCRIPTION:
Brown double bond underlay – "Giltgrip double bond 7.5mm"
Nominal Thickness – 7.5mm
Nominal Weight – 140 kg/m^3

Client Order No.:

Client Reference:

AS 4288:2003 - SOFT UNDERLAYS FOR TEXTILE FLOOR COVERINGS
ISO 9073-3 1989 DETERMINATION OF BREAKING FORCE AND EXTENSION

- Date Tested: 28/1/2026
- 5 warp and 5 weft, 50 mm width samples
- Crosshead speed 100mm/min

	Average Results	Performance Requirements	Compliance to Standard
Breaking Force - Warp	205 Newton	Min. 40 Newton	**Pass**
S.D.	8.4		
CV%	4.1		
Breaking Force - Weft	74.8 Newton	Min. 40 Newton	**Pass**
S.D.	13.1		
CV%	17.5		
% Extension - Warp	2.2%	Max. 20% at 40 Newton	**Pass**
S.D.	0.2		
CV%	9.1		
% Extension - Weft	2.0%	Max. 20% at 40 Newton	**Pass**
S.D.	0.4		
CV%	20.0		

AS 2111.1. 1996 DETERMINATION OF THICKNESS OF TEXTILE FLOOR COVERINGS

- Date Tested: 26/1/2026
- 10 tests in conditioned state

	Thickness	Performance Requirements	Compliance to Standard
Average (mm)	8.0	Maximum Range (min. to max): Non-fibrous – 3mm Fibrous & combined – 4mm Thickness must not deviate to original thickness by: Non-fibrous – 12% max Fibrous & combined – 15% max.	**Pass**
Minimum (mm)	7.9		
Maximum (mm)	8.0		
Range	0.1		
S.D.	0.0		
CV%	0.6		

C Judan
Key Technical Person
29/01/2026

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Client Order No.:

Client Reference:

AS 4288:2003 - SOFT UNDERLAYS FOR TEXTILE FLOOR COVERINGS
AS/NZS 2111.14 DETERMINATION OF THICKNESS LOSS AFTER PROLONGED, HEAVY STATIC LOADING OF TEXTILE FLOOR COVERINGS
- Date Tested: 26/1/2026
- 5 samples, tested in conditioned state
- Load applied for 24 hours at 700 kPa pressure

	Thickness Loss (mm)	% Thickness Loss	Performance Requirements	Compliance to Standard
2 Minutes Recovery	2.9	35.5	After 24 Hours Recovery: Non-fibrous – 15% max. Fibrous & combined – 40% max.	**Pass**
60 Minutes Recovery	1.5	18.5		
24 Hours Recovery	0.8	9.7		

AS/NZS 2111.2 DETERMINATION OF THICKNESS LOSS UNDER DYNAMIC LOADING OF TEXTILE FLOOR COVERINGS
- Date Tested: 26/1/2026
- 2 samples tested in conditioned state
- 1000 impacts applied

	Thickness Loss (mm)	% Thickness Loss	Performance Requirements	Compliance to Standard
Average	0.6	7.9	Non-fibrous – 15% max. Fibrous – 40% max. Combined – 20% max.	**Pass**
S.D.	0.1	-		

APPENDIX B- METHOD FOR DETERMINING OF RESISTANCE TO BREAKING AND CRACKING
- Date Tested: 26/1/2026

	Breaking & Cracking	Performance Requirements	Compliance to Standard
Warp	No crack in foam (felts excluded)	No cracks longer than 50mm No cracks in any backing material	**Pass**
Weft	No crack in foam (felts excluded)		**Pass**

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Date Received: 22.1.26

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Client Order No.:

Client Reference:

AS 4288:2003 - SOFT UNDERLAYS FOR TEXTILE FLOOR COVERINGS
APPENDIX A
- Date Tested: 26/1/2026
- 4 samples tested in conditioned state

	Results
Average Initial Thickness at 2 kPa	8.3mm
Average Thickness at 2 kPa After Dynamic Loading	7.6mm
Average Deflection Before Dynamic Loading at 100 kPa	2.8mm
Average Deflection After Dynamic Loading at 100 kPa	3.9mm
Average Work of Compression Before Dynamic Loading	134.2 J/m^2
Average Work of Compression After Dynamic Loading	138.9J/m^2
% Retention of Original Work of Compression	103%

	Performance Requirements	**Compliance to Standard**
Deflection After Dynamic Loading at 100 kPa:	1.5 mm minimum	**Pass**
	9.0 mm maximum	**Pass**
Work of Compression After Dynamic Loading:	50 J/m^2 minimum	**Pass**
	200 J/m^2 maximum	**Pass**
Retention of Original Work of Compression:	40% minimum	**Pass**

Designation and description of intended use/application as per Figure 1 of AS 4288-2003:
HC - Heavy commercial use, suitable for heavy foot and wheel traffic and castor chairs.

Note: this designation is calculated on the test results from dynamic loading and work of compression. The other performance requirements must also be met in order to label per AS 4288-2003.

Classification:

LR	Light residential use, not suitable for stairs
GR	General Residential use
L	Luxury use, domestic/commercial where high energy absorption is desirable
GC	General commercial use, suitable for normal foot and wheel traffic
HC	Heavy commercial use, suitable for heavy foot and wheel traffic and castor chairs

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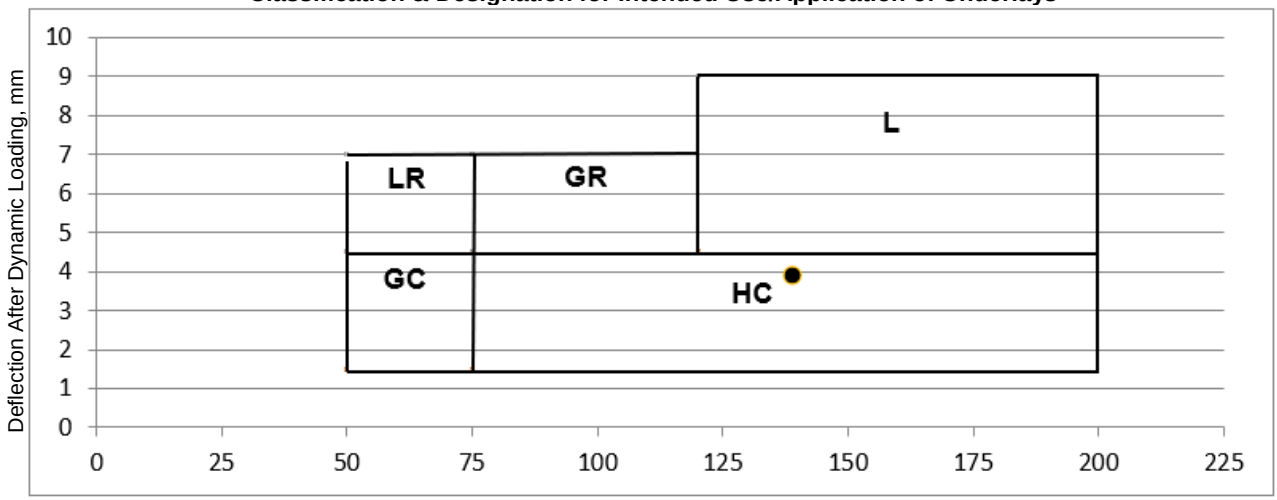
Date Received: 22.1.26

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Client Order No.:

Client Reference:

Classification & Designation for Intended Use/Application of Underlays



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29/01/2026

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NZWTA WOOL TESTING

NZWTA TEXTILES AND MATERIALS TESTING

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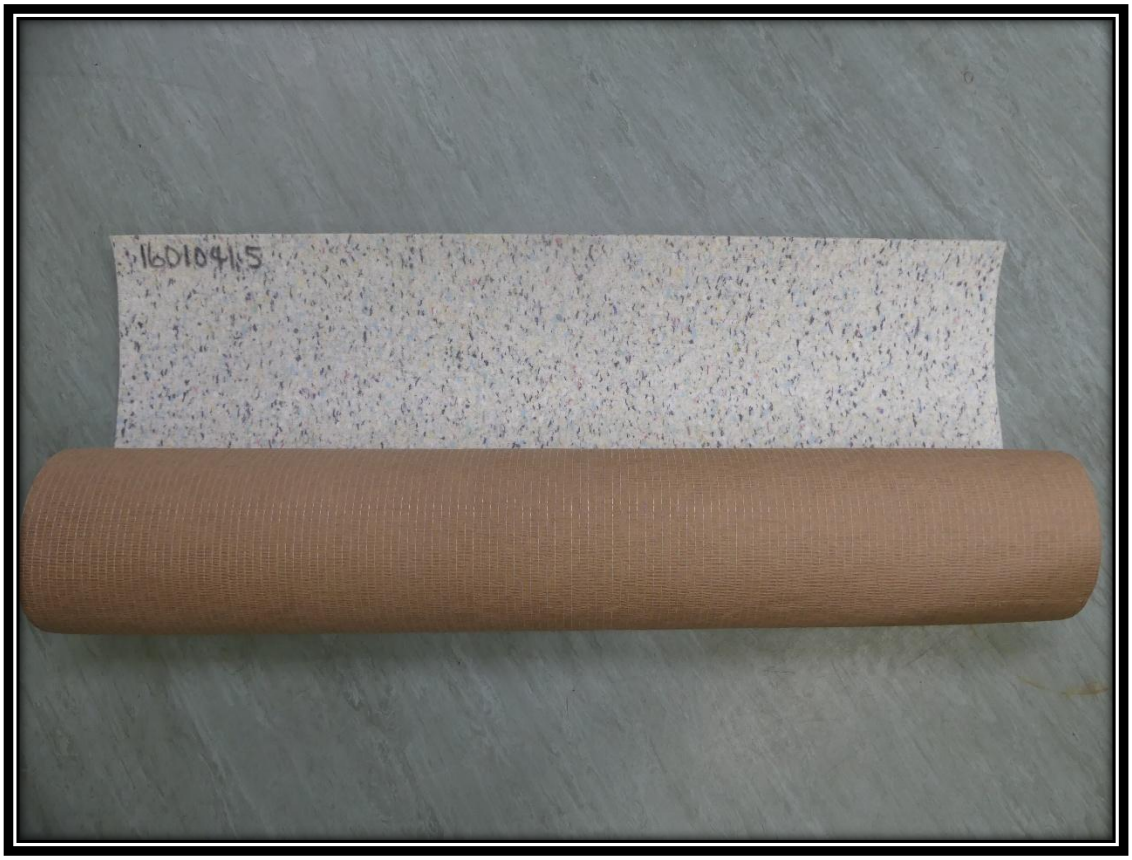
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