

PREMIER PACKAGING LTD

TEST REPORT

SCOPE OF WORK

WATER-RESISTANT GYPSUM BOARD

REPORT NUMBER

220415166GZU-001

TEST DATE(S)

From 4/24/2022 to 5/10/2022

ISSUE DATE

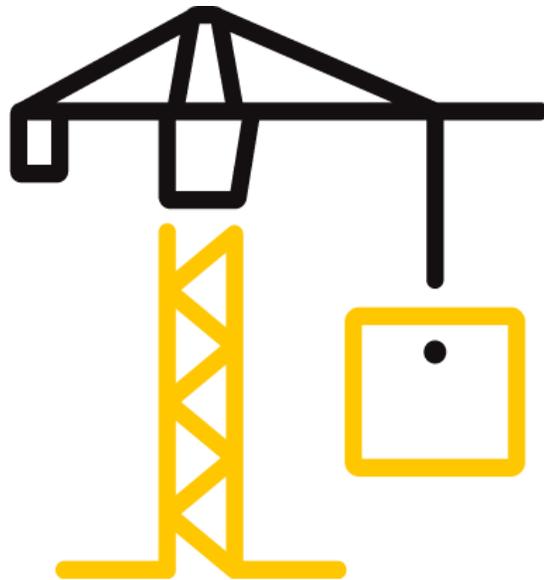
5/13/2022

[REVISED DATE]

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Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

DOCUMENT CONTROL NUMBER

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Effective data:2020-12-30

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- 5.All the tests results give the statement of conformity refer to the decision rule of "Procedure 2 " Accuracy Method" as stated in the IEC Guide 115:2007.



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Client Information:

Applicant Name:	PREMIER PACKAGING LTD
Address:	17A GABADOR PLACE, MT WELLINGTON, AUCKLAND 1060, NEW ZEALAND
Attn:	Sue Lee

Product Information:

Product Name	WATER-RESISTANT GYPSUM BOARD	Sample Description	Good Condition
Model and/or type reference	WATER-RESISTANT 10MM	Received Date	4/15/2022
Sample ID.	S220415166GZU-001	Sample Amount	2 packages
Brand name or Remark	PREMIER WATER-RESISTANT GYPSUM BOARD	Specification	10MMX1200MMX2400 MM
Manufacturer	TAISHAN GYPSUM CO., LTD		
Address	XIACHU TOWN, RUSHAN CITY, WEIHAI CITY, SHANDONG PROVINCE, CHINA		
Test Type	Performance test, samples provided by the applicant		

Test Methods And Standards:

Test Standard	AS/NZS 2588: 2018
Specification Standard	AS/NZS 2588: 2018
Test Conclusion	Refer to the following pages

Note:1.*The test item is subcontracted to the body accredited by CNAS.

Laboratory information:

Testing Laboratory	Intertek testing services Shenzhen Ltd. Guangzhou Branch
Test location	Room 4103 & 4203, No. 63 Punan Road, Huangpu District, Guangzhou, China

Report Authorized :

Authorized By:



Jeff Deng
Reviewer

Checked By:



Kelming Wang
Project Engineer

Noted: If you have any questions for the report, please contact: lillian.lf.he@intertek.com

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Test Items, Method and Results:

No.	Test Item	Test Parameter	Test Result	Verdict
1	Thickness	<p>Test method: Clause 6.1 of AS/NZS 2588: 2018</p> <p>Requirements of AS/NZS 2588: 2018: The average thickness of gypsum plasterboard, when measured in accordance with Appendix B, shall be within ± 0.5 mm of the nominal thickness.</p> <p>The thickness range for each board measured shall not exceed 0.8 mm for standard grade plasterboard and 1.2 mm for fire-resistant grade plasterboard.</p>	<p>Nominal thickness: 10 mm</p> <p>Average thickness: 9.9 mm</p> <p>Maximum thickness: 10.0 mm</p> <p>Minimum thickness: 9.9 mm</p>	Pass
2	Width	<p>Test method: Clause 6.2 of AS/NZS 2588: 2018</p> <p>Requirements of AS/NZS 2588: 2018: The actual width of gypsum plasterboard shall be within ± 3 mm of the nominal width</p>	<p>Nominal width: 1200 mm</p> <p>Average width: 1199 mm</p> <p>Maximum width: 1200 mm</p> <p>Minimum width: 1199 mm</p>	Pass
3	Length	<p>Test method: Clause 6.3 of AS/NZS 2588: 2018</p> <p>Requirements of AS/NZS 2588: 2018: The length of gypsum plasterboard sheets shall be within ± 5 mm of the nominal specified length.</p>	<p>Nominal length: 2400 mm</p> <p>Average length: 2399 mm</p> <p>Maximum length: 2400 mm</p> <p>Minimum length: 2398 mm</p>	Pass
4	Squareness	<p>Test method: Clause 6.4 of AS/NZS 2588: 2018</p> <p>Requirements of AS/NZS 2588: 2018: The cut ends of the board shall be square with the edges within ± 3 mm in the full width of the board.</p>	<p>Squareness: Average: 0.8 mm; Maximum: 1.2 mm</p>	Pass

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5	Edge finish	Test method: Clause 7 of AS/NZS 2588: 2018 Requirements of AS/NZS 2588: 2018: Edges of gypsum plasterboard shall be square, recessed or bevelled to suit the specified joint finish.	Square edge	Pass											
6	Bending strength	Test method: Clause 9.1.2 and Appendix C of AS/NZS 2588: 2018, Method A; Test speed: 25mm/min Requirements of AS/NZS 2588: 2018:	Perpendicular: 400 N; Parallel: 170 N	Pass											
		<table border="1"> <thead> <tr> <th rowspan="2">Nominal thickness mm</th> <th colspan="2">Load N</th> </tr> <tr> <th>Perpendicular</th> <th>Parallel</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>360</td> <td>150</td> </tr> <tr> <td>13</td> <td>490</td> <td>200</td> </tr> </tbody> </table>			Nominal thickness mm	Load N		Perpendicular	Parallel	10	360	150	13	490	200
		Nominal thickness mm				Load N									
					Perpendicular	Parallel									
10	360	150													
13	490	200													
7	Edge hardness	Test method: Clause 9.1.3 and Appendix D of AS/NZS 2588: 2018; Test speed: 25 mm/min; Requirements of AS/NZS 2588: 2018: When tested in accordance with Appendix D, gypsum plasterboard shall have an edge hardness of not less than 45 N.	Average edge hardness: 148 N	Pass											
8	Nail pull resistance	Test method: Clause 9.1.4 and Appendix E of AS/NZS 2588: 2018, Method A; Test speed: 25mm/min Requirements of AS/NZS 2588: 2018: When tested in accordance with Appendix E, gypsum plasterboard shall have minimum nail pull resistance appropriate to its intended use as shown in below table:	Nail pull resistance: Average: 349 N; Minimum: 327 N	Pass											
		<table border="1"> <thead> <tr> <th>Walls (Studs max. 600 mm centres) N</th> <th>Ceilings (Joists/furring max. 450 mm centres) N</th> <th>Ceilings (Joists/furring max. 600 mm centres) N</th> </tr> </thead> <tbody> <tr> <td>270</td> <td>270</td> <td>300</td> </tr> </tbody> </table>			Walls (Studs max. 600 mm centres) N	Ceilings (Joists/furring max. 450 mm centres) N	Ceilings (Joists/furring max. 600 mm centres) N	270	270	300					
		Walls (Studs max. 600 mm centres) N			Ceilings (Joists/furring max. 450 mm centres) N	Ceilings (Joists/furring max. 600 mm centres) N									
270	270	300													
270	270	300													

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9	Bond strength	<p>Test method: Clause 9.1.5 and Appendix E of AS/NZS 2588: 2018; Test speed: 50 mm/min; Requirements of AS/NZS 2588: 2018: When tested in accordance with Appendix F, the bond strength of the test specimen in tension shall be not less than 250 N after 24 h drying.</p>	<p>bond strength: Average: 389 N; Minimum: 328 N</p>	Pass														
10	Humidified deflection	<table border="1"> <tr> <td colspan="3" data-bbox="574 709 1032 835"> <p>Test method: Clause 9.1.6 and Appendix G of AS/NZS 2588: 2018, Method A; Requirements of AS/NZS 2588: 2018:</p> </td> </tr> <tr> <td data-bbox="574 835 751 1020" rowspan="2">Test method</td> <td colspan="2" data-bbox="751 835 1032 909">Maximum deflection mm</td> </tr> <tr> <td data-bbox="751 909 891 1020">Spanning board 450 mm</td> <td data-bbox="891 909 1032 1020">Spanning board 600 mm</td> </tr> <tr> <td data-bbox="574 1020 751 1094">A — Cantilever method</td> <td data-bbox="751 1020 891 1094">50</td> <td data-bbox="891 1020 1032 1094">25</td> </tr> <tr> <td data-bbox="574 1094 751 1203">B — Simply supported method</td> <td data-bbox="751 1094 891 1203">10</td> <td data-bbox="891 1094 1032 1203">5</td> </tr> </table>	<p>Test method: Clause 9.1.6 and Appendix G of AS/NZS 2588: 2018, Method A; Requirements of AS/NZS 2588: 2018:</p>			Test method	Maximum deflection mm		Spanning board 450 mm	Spanning board 600 mm	A — Cantilever method	50	25	B — Simply supported method	10	5	<p>Humidified deflection: Average: 15 mm; Maximum: 19 mm.</p>	Pass
<p>Test method: Clause 9.1.6 and Appendix G of AS/NZS 2588: 2018, Method A; Requirements of AS/NZS 2588: 2018:</p>																		
Test method	Maximum deflection mm																	
	Spanning board 450 mm	Spanning board 600 mm																
A — Cantilever method	50	25																
B — Simply supported method	10	5																
11	Water resistance	<p>Test method: Clause 9.2.2 and Appendix H of AS/NZS 2588: 2018; immersion duration: 2 h Requirements of AS/NZS 2588: 2018: When tested in accordance with Appendix H, the plasterboard specimens shall have an average water absorption of not more than 5 % weight after two hours of testing.</p>	<p>Average water absorption: 4 %</p>	Pass														
12	Surface water resistance	<p>Test method: Clause 9.2.3 and Appendix I of AS/NZS 2588: 2018; Water level above the board surface: 25 mm Water contact period: 2 h Requirements of AS/NZS 2588: 2018: When tested in accordance with Appendix I, the average difference between the dry and wet weights of the specimens shall not exceed 1.6 g after two hours of testing.</p>	<p>Average difference between the dry and wet weights: 1.2 g</p>	Pass														

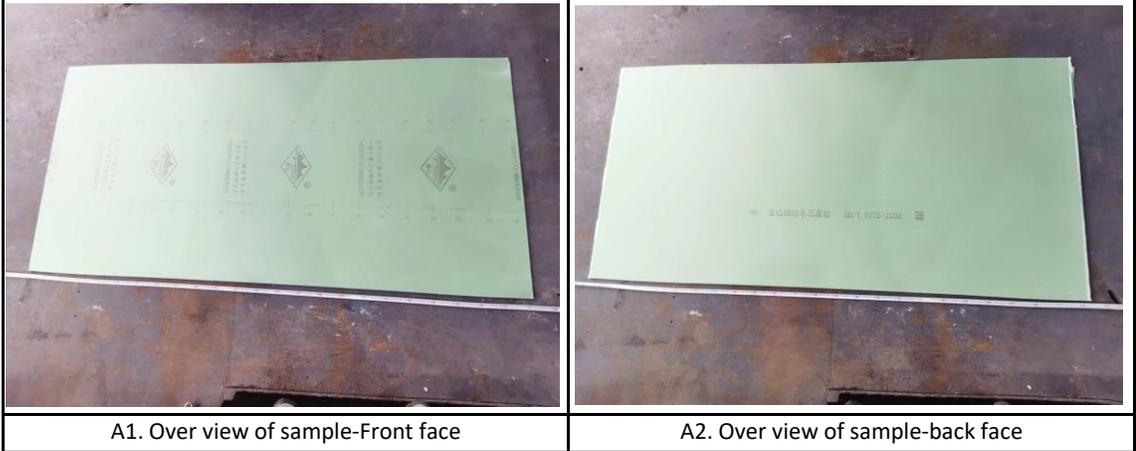


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Appendix A: Sample Received Photo



Revision:

Revision No.	Date	REVISION	Reviser	Reviewer
/	/	Original Report Issue	/	/

*****End of Report*****