

TEST REPORT

No. :
Date : Apr 25, 2022
Page: 1 of 4

CUSTOMER NAME:
ADDRESS:

Sample Name : GYPSUM BOARD
Manufacturer :

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

SGS Ref. No. :
Date of Receipt : Apr 19, 2022
Testing Start Date : Apr 19, 2022
Testing End Date : Apr 25, 2022
Test result(s) : For further details refer to the following page(s)
(Unless otherwise the sample(s) test the results shown in this test report refer only to

Signed for
SGS-CSTC Standards Technical
Services Co., Ltd Xiamen Branch
Testing Center

Civi Huang
Authorized signatory



SGS-CSTC Standards Technical Services Co., Ltd.
Xiamen Branch Testing Center Commercial Construction Material Laboratory

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TEST REPORT

No. : **SGS/2022042501**

Date : **Apr 25, 2022**

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Sample Information:

Sample description: GYPSUM BOARD

Product size: 2400mm×1200mm×10mm, see the photo(s)

Test Method:

AS/NZS 2588:2018 Gypsum plasterboard

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

Test Results:

Work size: 2400mm×1200mm×10mm

No.	Test items	Test methods	Test condition	Requirements in AS/NZS 2588:2018 & client's requirement	Test results	Conclusion
1	Thickness	AS/NZS 2588:2018 Clause 6.1 & Annex B	Specimen: 2400mm×1200mm, 3pcs	Average value: 10mm±0.5mm Thickness range shall not exceed 0.8mm for standard grade plasterboard and 1.2mm for fire-resistant grade plasterboard.	Average value: 9.84mm Maximum value: 9.87mm Minimum value: 9.80mm	Pass
2	Width	AS/NZS 2588:2018 Clause 6.2		Average value: 1200mm±3mm	Average value: 1200mm	Pass
3	Length	AS/NZS 2588:2018 Clause 6.3		Average value: 2400mm±5mm	Average value: 2400mm	Pass
4	Squareness	AS/NZS 2588:2018 Clause 6.4		±3mm	Deviation range: 0.0mm~+1.0mm	Pass
5	Edge finish (Recessed edge)	AS/NZS 2588:2018 Clause 7		40.0mm ≤ l ≤ 60.0mm 0.8mm ≤ h ≤ 2.3mm	Average value: l: 48.34mm h: 0.94mm (see Figure 1)	Pass



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No.	Test items	Test methods	Test condition	Requirements in AS/NZS 2588:2018& client's requirement	Test results	Conclusion
6	Edge hardness	AS/NZS 2588:2018 Annex D	Specimen: 150mm×150mm, 3pcs Loading speed: 25mm/min	≥ 45N	Average value: 222N	Pass
7	Nail pull resistance	AS/NZS 2588:2018 Annex E (Method A)	Specimen: 150mm×150mm, 6pcs Loading speed: 25mm/min Nail diameter: nail shank 2.5mm, nail head 6.3mm	Walls (Studs max. 600mm centres): ≥ 270N	Average value: 270N	Pass
8	Bond strength	AS/NZS 2588:2018 Annex F	Specimen: 100mm×100mm Loading speed: 50mm/min	≥ 250N	Average value: 331N	Pass
9	Humidified deflection	AS/NZS 2588:2018 Annex G (Method A: cantilever method)	Specimen: 100mm×550mm, 3pcs Testing condition: (32±2) °C, (90±3)% RH Test time: 24h Overhanging: 450mm	Spanning board 450mm: ≤ 50mm	Average deflection: 39.93mm	Pass



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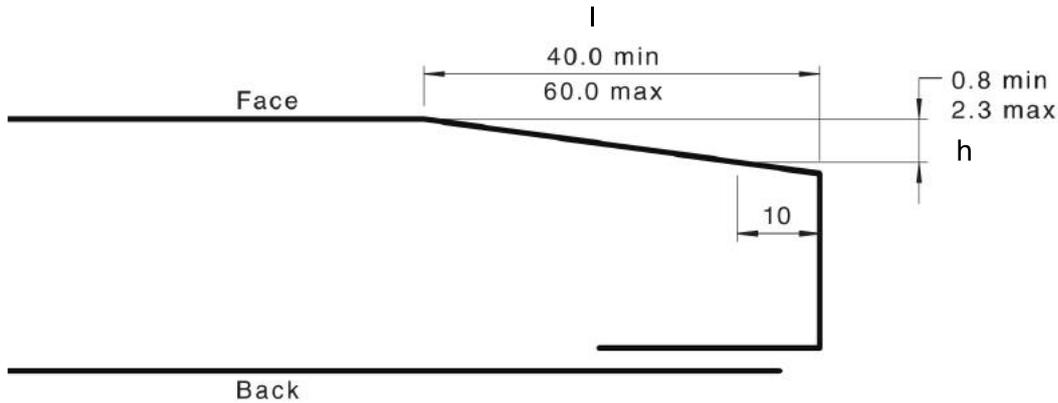
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Figure 1: Edge finish (Dimension in millimetres)



(a) Recessed edge

Original Sample Photo:



Sample

***** End of report*****



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