

## TEST REPORTION unless endorsed by This assessment/test report is

No. : SZIN2311002595PL03 EN

China Union Building Nazinz31100



CUSTOMER NAME:

BEIJING NEW BUILDING MATERIALS PUBLIC LIMITED COMPANY

ADDRESS:

TOWER A, BNBM CENTER, FUTURE SCIENCE PARK, NO.9, QIBEI

ROAD, CHANGPING DIST, BEIJING, PEOPLE'S REPUBLIC OF CHINA

Sample Name

GNG Moisture Resistant Gypsum Board

Product Specification

2440×1220×12

Manufacturer

Beijing New Building Materials Public Limited Company

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.

nis assess SGS Ref. No.

GZIN2311001156CM03 EN

Date of Receipt

2023-11-28

**Testing Period** 

2023-11-28 ~ 2023-12-12

Test result(s)

For further details, please refer to the following page(s)

(Unless otherwise stated the results shown in this test report refer only

to the sample(s) tested)

Signed for

SGS-CSTC Standards Technical Services Co., Ltd. ShenZhen Branch.

ent/test report is not valid unless endorsed by Union Building Materials Ltd.

Jessie Ho

Authorized signatory

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Room (11-Mit), Plant 4.9 from 101, Plant 1.5 from 101, Plant 1.9 f

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## Summary of Results:

No. Test Item		Test Item Test Method F		Conclusion
1	Length, width and thickness	BS EN 520:2004+A1:2009 Clause 5.2, 5.3 and 5.4	See result	Pass
2	Flexural strength	BS EN 520:2004+A1:2009 Clause 5.7	See result do	rsed by
3	Surface water absorption (eS)	BS EN 520:2004+A1:2009 Clause 5.9.1	Front: 68g/m <sup>2</sup> Back: 104g/m <sup>2</sup>	Pass
This a	Total water absorption	BS EN 520: 2004+A1: 2009 Clause 5.9.2	6.4%	Pass
5	Density	BS EN 520: 2004+A1: 2009 Clause 5.11	0.6×10 <sup>3</sup> kg/cm <sup>3</sup>	N/A

Note: Pass: Meet the requirements;

Fail: Does not meet the requirements;

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Room (11-Mit), Parti 4 & Room (1), Parti 2 & Room (1), Parti 2 & Room (1), Parti 2 & Room (1), Parti 3 & R t (86-755) 25328673 sgs.china@sgs.com 中国・广东・深圳市龙岗区被田贵道祖田社区吉华路400号江瀬(坂田)工业厂区厂房4号101-901、2号101、3号101、3号301-501 蘇稿:518129



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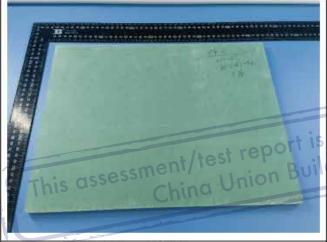
## Original Sample Photo:







Test Item 2,5 - Longitudinal



Test Item 2,5- Transverse



Test Item 3



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Test Item 4

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Test Item 1: Length, width and thickness

Test Method: EN 520:2004+A1:2009 Clause 5.2, 5.3 and 5.4

Test Condition:

Nominal Dimension (Declare by client): 2440mm×1220mm×12mm

Test Result:

Test Item	Test Result <sub>un</sub> less endorsed by							
restricin	. /1	ost re	Individu	al value	- Ma	terial	S Average	Tolerances
Length (mm)	nent2440		on 134	40 din	2440		2440	0
Width (mm)	Ch11220		12	20	12	20	1220	0
Thickness (mm)	12.04	12.10	12.23	12.26	12.24	12.08	12.16	0.04~0.26

Requirement in BS EN 520:2004+A1:2009 Section 4.9.2: Width tolerance: -4 mm~0 mm,

Length tolerance: -5 mm~0 mm, Thickness tolerance: -0.5 mm~0.5 mm

Conclusion: Pass

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\*\*Instruction:\*\* To check the authenticity of testing linespection record its activities.\*\*

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Test Item 2: Flexural Strength

Test Method: BS EN 520:2004+A1:2009 Clause 5.7

Test Condition:

Specimen: 400mm×300mm×12.20mm, 6pcs (3 pieces in each direction)

Specimen: 40	Specimen: 400mm×300mm×12.20mm, opcs (3 pieces in each direction)							
Test rate: 25	Test rate: 250N/min							
Support spar	Support span: 350mm							
Condition: Dr	Condition: Dry to constant mass at 40°C t is not valid striples Ltd.							
Test rate: 250N/min Support span: 350mm Condition: Dry to constant mass at 40°C t is not valid unless endorsed by  Test Result: This assessment/test report Building Materials Ltd.  Test Item China Union Test result								
This asses	This assessment of the Test result							
restricin			Individual		Average			
Flexural	Longitudinal	601.0	597.4	577.2	592			
Strength (N)	Transverse	320.8	327.1	318.7	322			

Requirement in BS EN 520:2004+A1:2009 table 2:

Flexural Strength in Longitudinal direction Average value≥516N, individual value≥464N

Flexural Strength in Transverse direction Average value≥202N, individual value≥181N Test Item 3: Surface water absorption port is not valid unless endorsed by
Test Method: BS EN 520:2004+A1:2000.

Test Method: BS EN 520:2004+A1:2009 Clause 5.9:1ng Materials Ltd.
Test Condition:

Specimen: 125mm×125mm×12.20mm, 6pcs

Test Result:

Test Item		Test result				
			Average			
Surface water	Front	66	70	67	68	
absorption (g/m²)	Back	102	106	105	104 by	
Client's requirement: Su	rface water	er absorption (g/	m²) ≤180g/ m²	aloss el	ndorsed	
Conclusion: Pass			not valid	unless et		
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Test Item 4: Total water absorption

Test Method: BS EN 520:2004+A1:2009 Clause 5.9.2

Test Condition:

Specimen: 300mm×300mm×12.20mm, 3pcs

Test Result:

Test Item	Test resultess endor				
1/405	t report is individual aterials LTG	Average			
Total water absorption (%)	Jni 6.46 Buildin 6.43 6.42	6.4			

Client's requirement: Total water absorption(%)≤10%

Conclusion: Pass

Test Item 5: Density

Test Method: BS EN 520:2004+A1:2009 Clause 5.11

Test Condition:

	Specimen: 400mm×300mm×12.20mm, 6pcs (3 pieces in each direction)							
	Condition: Dry to constant mass at 40°C							
	Condition: Dry to constant mass at 40°C  Test Result:  Test Result:							
	Test	Item ant/tes	t report is	ilding Mestresult S Liou				
	Test Itement/tes		Jnion Bui	Individual		Average		
	Density,	Longitudinal	0.65	0.65	0.64	0.6		
N	1×103 kg/cm3	Transverse	0.65	0.65	0.64	0.0		

## Appendix information:

- 1. The above test methods were carried out by SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch.
- Unless otherwise stated, this report provides a declaration of conformity according to whether the test results are within the specified limits or specifications without considering the measurement 'End of report' www.id unless endorse uncertainty.

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