

## Test Report

## Determination of Flexural and Compressive Strength of Gypsum Binders and Gypsum Plasters

(BS EN 13279-2 : 2004 Clause 4.5.4 &amp; 4.5.5)

Date of issue : 20-10-2017

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Castco LRN : MR0170914-3

Details as supplied by customer

Customer : Fujian Jumbo New Material Corporation Limited

Customer's ref. no. : --

Address : Industrial Zone, Changshan Overseas Chinese Economic Development Zone, Zhangzhou, Fujian, China

Job title : Material Testing

Contract no. : --

Sample description : Jumbo Gypsum Block

Type : 1200 kg/m<sup>3</sup> high density

Batch no. : --

Manufacturer: Fujian Jumbo New Material Corporation Limited

Mix details : --

Date &amp; time of mixing started : --

Date &amp; time of mixing completed : --

Laboratory test results

Date sample received : 14-09-2017

Date of test started : 14-09-2017

Date of test completed : 23-09-2017

Specimen I.D.	1	2	3
Nominal size of specimen (mm)	160 x 40 x 40		
Oven dry mass of specimen (g)	315.2	319.4	315.9

Flexural strength test


Distance between the axis of support rollers	(mm)	100	100	100
Width of specimen	(mm)	40.1	40.0	40.2
Depth of specimen	(mm)	40.3	40.5	40.5
Maximum load	Individual	2520	2200	2680
	Mean	2467		
Flexural strength	(N/mm <sup>2</sup> )	5.8		

Compressive strength test

Maximum load (N)	1 <sup>st</sup> half	32700	32200	32600
	2 <sup>nd</sup> half	33600	32700	32500
Compressive strength (N/mm <sup>2</sup> )	1 <sup>st</sup> half	20.4	20.1	20.4
	2 <sup>nd</sup> half	21.0	20.4	20.3
	Mean	20.4		

Remark(s) :

- Test results relate only to the specimen tested.
- Test specimen were mixed & casted by the customer.

Checked by : WONG CHUN KIT  
Laboratory SupervisorCertified by : WONG KA MAN  
Senior Manager

End of Report

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