

TL-1123

**An ISO / IEC 17025:2017 Accredited Testing Laboratory**

## Test Report

### Autoclaved Aerated Cellular Concrete Products Compressive Test

Customer Name	: Recons Building Products Private Limited	Testing Location	: MUMBAI LAB
Office Address	: 8TH FLOOR, 805, 349 BUSINESS POINT, WESTERN EXPRESS HIGHWAY, ANDHERI, Mumbai Suburban, Maharashtra, 400059	Material Code	: AAC
		Sample Ref No.	: 35554
Site Name (*)	: Ashar Group	Report No.	: AAC-557/4-2
Description (*)	: RECONS AAC Block Size- 600x200x150mm, Date-13/06/2025	Bill No	: 202526MUM793
Contact Details	: Mr. Kautilya Bhatt - 9223589024 (Route : R3)	Date of Mat. Recd	: 16-Jun-2025
Supplier Name (*)	: Recons Building Products Private Limited	Date of Testing	: 23-Jun-2025
		Date of Issue	: 25-Jun-2025

#### OBSERVATIONS & CALCULATIONS :

Sr.No	ID Mark	Length (mm)	Breadth (mm)	Height (mm)	CS Area (mm <sup>2</sup> )	Load (kN)	Comp Strength (N/mm <sup>2</sup> )	Average (N/mm <sup>2</sup> )
1	RECONS	150.2	150.8	150.6	22650	128.5	5.67	5.45
2	RECONS	150.4	150.7	150.3	22665	121.4	5.36	
3	RECONS	150.2	150.8	150.5	22650	122.6	5.41	
4	RECONS	150.3	150.9	150.1	22680	129.8	5.72	
5	RECONS	150.3	150.8	150.4	22665	133.2	5.88	
6	RECONS	150.3	150.7	150.4	22650	126.2	5.57	
7	RECONS	150.2	150.9	150.5	22665	118.2	5.22	
8	RECONS	150.3	150.9	150.6	22680	121.4	5.35	
9	RECONS	150.4	150.7	150.5	22665	116.3	5.13	
10	RECONS	150.3	151.0	150.6	22695	128.4	5.66	
11	RECONS	150.2	150.8	150.4	22650	129.0	5.70	
12	RECONS	150.5	150.7	150.3	22680	137.2	6.05	
13	RECONS	150.2	150.9	150.6	22665	114.8	5.07	
14	RECONS	150.3	150.8	150.4	22665	127.3	5.62	
15	RECONS	150.2	150.9	150.3	22665	115.6	5.10	
16	RECONS	150.4	150.8	150.5	22680	120.5	5.31	
17	RECONS	150.3	151.1	150.4	22710	123.5	5.44	
18	RECONS	150.3	150.9	150.5	22680	112.8	4.97	
19	RECONS	150.2	150.8	150.6	22650	130.5	5.76	
20	RECONS	150.4	150.7	150.5	22665	117.3	5.18	
21	RECONS	150.2	150.8	150.4	22650	124.3	5.49	
22	RECONS	150.3	150.9	150.1	22680	127.5	5.62	
23	RECONS	150.3	150.9	150.4	22680	124.6	5.49	
24	RECONS	150.6	150.8	150.2	22710	116.3	5.12	
25	RECONS	150.3	150.9	150.5	22680	120.3	5.30	
26	RECONS	150.2	150.8	150.4	22650	123.3	5.44	
27	RECONS	150.5	150.8	150.4	22695	120.0	5.29	
28	RECONS	150.6	150.3	150.4	22635	125.7	5.55	
29	RECONS	150.3	150.9	150.4	22680	118.2	5.21	
30	RECONS	150.4	150.8	150.2	22680	130.3	5.75	
31	RECONS	150.6	150.3	150.7	22635	122.4	5.41	
32	RECONS	150.5	150.8	150.3	22695	132.7	5.85	
33	RECONS	150.2	150.9	150.4	22665	126.3	5.57	
34	RECONS	150.3	150.7	150.4	22650	114.6	5.06	
35	RECONS	150.2	150.8	150.5	22650	127.3	5.62	
36	RECONS	150.3	150.8	150.4	22665	122.9	5.42	

#### References :

**Durocrete Engineering Services Pvt. Ltd.**

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Lab address: Plot No A-387, Rd No. 28, MIDC, Wagale Estate, Thane (W) – 400604

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- 1) IS 6441 : Part 5 : 1972 (RA 2022) : Methods of Test for Autoclaved Cellular Concrete Products : Determination of Compressive Strength
- 2) IS 2185 : Part 3 : 1984 (RA-2020) : Specification for Concrete Masonry Units : Autoclave Cellular (Aerated) Concrete Blocks.

**Remarks :**

- 1) As per IS 2185 (Part 3), for blocks having a dry density range of 551 to 650 kg/m<sup>3</sup>, the minimum compressive strength requirement is 4.0 N/mm<sup>2</sup> for Grade 1 and 3.0 N/mm<sup>2</sup> for Grade 2.

**Notes :**

- 1) (\*) indicates- Information has been provided by client.
- 2) Sampling has been carried out by client. DESPL is not responsible for sampling criteria.
- 3) Simple acceptance decision rule is applied as per ILAC G8 for the above conducted test.
- 4) The test reports and results relate to the particular specimen/sample(s) of the material as delivered/received and tested in the laboratory.
- 5) Any test report shall not be reproduced except in full, without the written permission from Durocrete.

**This report can be authenticated on our website [www.durocrete.in](http://www.durocrete.in)**

Authorized Signatory



(Neeta Nivangune)

(Sr. Manager – Lab Operations)



(Scan to download report)

Checked By



(Sarwar Ali)

(Sr. Engineer)

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