



**TEST REPORT**

Report No.: MUM/2128/3/2023/7-871-1  
 Date of Receipt: 18.03.2023

Date: 23.03.2023  
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**RECONS BUILDING PRODUCTS PVT. LTD.**

1-A, 5<sup>TH</sup> Floor, Times Square, Andheri Kurla road, Marol Mumbai  
 Suburban, Maharashtra, 400059

**MECHANICAL TESTING**  
**Buildings Materials**

**TEST REPORT**

Source of Sample	:	Sample supplied by the customer.
Number of Sample Tested	:	24 (Twenty four only)
Condition of Sample	:	Satisfactory
Customer's Reference	:	Letter dt. 18.03.2023
Lab Reference Number	:	2023/MAR/2308379
Product	:	Autoclaved Cellular (Aerated) Concrete Block
Size*	:	600 x 200 x 100 mm
Brand Name*	:	NOVA
Period of test	:	18.03.2023 to 23.03.2023
Test Method	:	IS: 2185 (PART 3)-1984 RA-2020, IS: 6441 (Part 1 & 5) RA-2022

**1. Compressive Strength:**

Sl. No.	Dimension (mm)	Moisture content before Compressive Strength (%)	Avg. Moisture content before Compressive Strength (%)	Cross Sectional Area (mm <sup>2</sup> )	Load (kN)	Compressive Strength (N/mm <sup>2</sup> ) (X-0.6R)	Avg. Compressive Strength (N/mm <sup>2</sup> )
1	150.2 x 150.1 x 150.1	10.19	9.79	22540	102	4.4	4.2
2	150.0 x 150.0 x 150.1	10.37		22500	97	4.3	
3	150.1 x 150.0 x 150.1	9.61		22515	100	4.4	
4	150.1 x 150.0 x 150.1	9.85		22515	104	4.6	
5	150.0 x 150.1 x 150.0	10.06		22515	88	3.9	
6	150.1 x 150.1 x 150.1	9.78		22525	95	4.2	
7	150.1 x 150.1 x 150.1	9.38		22530	98	4.3	
8	150.1 x 150.1 x 150.1	9.46		22525	110	4.8	
9	150.1 x 150.1 x 150.1	9.64		22525	88	3.8	
10	150.1 x 150.1 x 150.1	9.58		22525	87	3.8	
11	150.1 x 150.1 x 150.1	9.80		22525	86	3.7	
12	150.1 x 150.1 x 150.1	9.70		22525	94	4.1	

\*Indicates information supplied by the customer for which the laboratory has no control. Sampling not done by laboratory, results relate to the sample tested only. The contents of the report shall not be reproduced either in full or in part without prior written consent of the issuing authority. All services are rendered in accordance with Bureau Veritas General conditions of service. Kindly refer to the T&C at [www.bureauveritas.co.in](http://www.bureauveritas.co.in) - General Terms & Conditions - General terms & Conditions-BVIL Regd. Office: 72, Business Park, Ground Floor, Marol Industrial Area, MIDC, Cross Road 'C', Andheri (East), Mumbai - 400 093, INDIA • [www.bureauveritas.co.in](http://www.bureauveritas.co.in)



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### 2. Block Density:

Sl.No.	Dimension (mm)	Block Density (kg/m <sup>3</sup> )	Avg. Block Density (kg/m <sup>3</sup> )	Limits as Per IS-2185 (PART 3) -1984 RA 2020
1	200 x 101 x 51	563.0	560.6	451-1000 (kg/m <sup>3</sup> )
2	200 x 100 x 51	562.7		
3	200 x 101 x 51	556.2		

### PHYSICAL REQUIREMENT: AS PER IS-2185 (PART 3) -1984 RA 2020

Sl. No.	Density (kg/m <sup>3</sup> )	Minimum Average Compressive Strength of 12 Units (N/mm <sup>2</sup> )	
		Grade-1	Grade-2
1	451 to 550	2.0	1.5
2	551 to 650	4.0	3.0
3	651 to 750	5.0	4.0
4	751 to 850	6.0	5.0
5	851 to 1000	7.0	6.0

Remark- The tested sample confirms to IS 2185 (Part 3)-1984 RA 2020 Grade I (density of 551-650 kg/m<sup>3</sup>) for the tested parameter.

**\*END OF REPORT\***

For BUREAU VERITAS (INDIA) PVT LTD.  
Construction Services Laboratory



Gayatri Bawane

Lab Engineer

Authorised Signatory



**TEST REPORT**

Report No.: MUM/2128/3/2023/7-871-2  
 Date of Receipt: 18.03.2023

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**RECONS BUILDING PRODUCTS PVT. LTD.**

1-A, 5<sup>TH</sup> Floor, Times Square, Andheri Kurla road, Marol Mumbai  
 Suburban, Maharashtra, 400059

**MECHANICAL TESTING**  
 Buildings Materials

**TEST REPORT**

Source of Sample	:	Sample supplied by the customer.
Number of Sample Tested	:	15 (Fifteen only)
Condition of Sample	:	Satisfactory
Customer's Reference	:	Letter dt. 18.03.2023
Lab Reference Number	:	2023/MAR/2308379
Product	:	Autoclaved Cellular (Aerated) Concrete Blocks
Size*	:	600 x 200 x 150 mm
Brand Name*	:	NOVA
Period of test	:	18.03.2023 to 23.03.2023
Test Method	:	IS: 2185 (PART 3)-1984 RA-2020, IS: 6441 (Part 1 & 5) RA-2022

**1. Compressive Strength:**

Sl. No.	Average Dimension (mm)	Moisture content before Compressive Strength (%)	Avg. Moisture content before Compressive Strength (%)	Cross Sectional Area (mm <sup>2</sup> )	Load (kN)	Compressive Strength (N/mm <sup>2</sup> ) (X-0.6R)	Avg. Compressive Strength (N/mm <sup>2</sup> )
1	150.2 x 150.1 x 150.1	10.04	10.44	22545	102	4.5	4.4
2	150.0 x 150.1 x 150.1	10.55		22510	96	4.2	
3	150.1 x 150.1 x 150.1	10.67		22520	83	4.1	
4	150.1 x 150.1 x 150.1	10.30		22530	105	4.6	
5	150.0 x 150.0 x 150.0	10.57		22500	95	4.2	
6	150.1 x 150.1 x 150.1	10.25		22530	98	4.2	
7	150.1 x 150.1 x 150.1	10.55		22520	106	4.7	
8	150.2 x 150.1 x 150.2	10.27		22535	95	4.2	
9	150.1 x 150.2 x 150.1	10.67		22535	92	4.0	
10	150.1 x 150.1 x 150.1	10.81		22525	105	4.6	
11	150.2 x 150.1 x 150.2	10.23		22540	107	4.7	
12	150.1 x 150.2 x 150.1	10.39		22540	104	4.6	

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**2. Block Density:**

Sl. No.	Dimension (mm)	Block Density (kg/m <sup>3</sup> )	Avg. Block Density (kg/m <sup>3</sup> )	Limits as Per IS-2185 (PART 3) -1984 RA 2020
1	200 x 101 x 51	599.9	598.7	451-1000 (kg/m <sup>3</sup> )
2	200 x 100 x 51	608.8		
3	200 x 101 x 51	587.3		

**PHYSICAL REQUIREMENT: AS PER IS-2185 (PART 3) -1984 RA 2020**

Sl. No.	Density (kg/m <sup>3</sup> )	Minimum Average Compressive Strength of 12 Units (N/mm <sup>2</sup> )	
		Grade-1	Grade-2
1	451 to 550	2.0	1.5
2	551 to 650	4.0	3.0
3	651 to 750	5.0	4.0
4	751 to 850	6.0	5.0
5	851 to 1000	7.0	6.0

**Remark-** The tested sample confirms to IS 2185 (Part 3)-1984 RA 2020 Grade I (density of 551-650 kg/m<sup>3</sup>) for the tested parameter.

**\*END OF REPORT\***

For **BUREAU VERITAS (INDIA) PVT LTD.**  
 Construction Services Laboratory



**Gayatri Bawane**  
*Gayatri Bawane*  
**Lab Engineer**  
**Authorised Signatory**

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1-A, 5<sup>TH</sup> Floor, Times Square, Andheri Kurla road, Marol Mumbai  
Suburban, Maharashtra, 400059

#### TEST REPORT

Source of Sample	:	Sample supplied by the customer.
Number of Sample Tested	:	03 (Three only)
Condition of Sample	:	Satisfactory
Customer's Reference	:	Letter dt. 18.03.2023
Lab Reference Number	:	2023/MAR/2308379
Product	:	Autoclaved Cellular (Aerated) Concrete Block
Size*	:	600 x 200 x 100 mm
Brand Name*	:	NOVA
Period of test	:	18.03.2023 to 21.03.2023
Test Method	:	As per customer requirement

#### Results:

Sl. No.	Test Performed	Results (%)
1	Water Absorption	37.8

**\*END OF REPORT\***

For **BUREAU VERITAS ( INDIA ) PVT LTD.**  
**Construction Services Laboratory**



**Gayatri Bawane**

*Gayatri Bawane*  
**Lab Engineer**  
**Authorised Signatory**

## TEST REPORT

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Number of Sample Tested	:	03 (Three only)
Condition of Sample	:	Satisfactory
Customer's Reference	:	Letter dt.18.03.2023
Lab Reference Number	:	2023/MAR/2308379
Product	:	Autoclaved Cellular (Aerated) Concrete Blocks
Size*	:	600 x 200 x 150 mm
Brand Name*	:	NOVA
Period of test	:	18.03.2023 to 21.03.2023
Test Method	:	As per customer requirement

### Results:

Sl. No.	Test Performed	Results (%)
1	Water Absorption	36.2

**\*END OF REPORT\***

For **BUREAU VERITAS (INDIA) PVT LTD.**  
**Construction Services Laboratory**



**Gayatri Bawane**



**Lab Engineer**  
**Authorised Signatory**