



STEDRANT TECHNOCLINIC PVT. LTD.
(Construction Materials Testing Laboratory)

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TEST REPORT ON CLAY BLOCKS

Report No:STP/JO-080 -/JUN/2021.3
Test Order dated: 11.06.2021

Date: 11.06.2021

M/s. Wienerberger India Private Limited
Plot No. 1 & 2, Kunigal Industrial Area,
Phase - 2, Gittigere Village, Kunigal Taluk

Source of Sample : Sample drawn by the customer
Customer's Reference : Letter No E mail dated 04.05.2021
Work order No# : WO No.: WBI/Lab/Sep-18/13161 dated 07.09.2018
Condition of samples : Satisfactory
Date of Witness : 10.06.2021
Date of Test : 10.06.2021
Product# : POROTHERM HP 200 - (T 9R5) - 01.04.2021
Test Conducted at : M/s. Wienerberger India Private Limited Plant Laboratory
at Kunigal
Test Witnessed by : Sri. Ranganath Chimbili - STPL Engineer
Technical Reference : IS:3952 - 2013

I CRUSHING STRENGTH - cl.8.1

Sl. No.	Identification#	Measured Dimension (mm)	Test Result	Requirement as per IS : 3952 - 2013
1	HP 200 - 1	399 x 203 x 203	3.7	Shall be 3.5 N/mm ²
	HP 200 - 2	397 x 203 x 203	3.4	
	HP 200 - 3	397 x 203 x 203	3.6	
	HP 200 - 4	397 x 203 x 203	3.8	
	HP 200 - 5	394 x 202 x 201	4.0	
	HP 200 - 6	397 x 203 x 203	4.0	
Average			3.75	

II WINDING OR BOWING IN THE LENGTH DIMENSION - Cl. 4.2.1

Sl. No.	Identification & date of Production#	Measured Dimension (mm)	Test Result (mm)	Requirement as per IS : 3952 - 2013
1	HP 200 - 1	399 x 203 x 203	0.64	Shall not be more than 5.0 mm
	HP 200 - 2	397 x 203 x 203	1.72	
	HP 200 - 3	397 x 203 x 203	0.45	
	HP 200 - 4	397 x 203 x 203	1.44	
	HP 200 - 5	394 x 202 x 201	0.32	
	HP 200 - 6	397 x 203 x 203	0.00	

III CONCAVITY OR CONVEXITY IN THE EXTENDED FACE OF BLOCK - Cl. 4.2.2

Sl. No.	Identification#	Measured Dimension (mm)	Test Result (mm)	Requirement as per IS : 3952 - 2013
1	HP 200 - 1	399 x 203 x 203	0.62	Shall not be more than 5.0 mm
	HP 200 - 2	397 x 203 x 203	0.98	
	HP 200 - 3	397 x 203 x 203	0.33	
	HP 200 - 4	397 x 203 x 203	0.85	
	HP 200 - 5	394 x 202 x 201	0.00	
	HP 200 - 6	397 x 203 x 203	0.22	

Contd...


Radhakrishna
STPL Manager-Lab

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IV ANGLE BETWEEN SIDES & JOINING EDGES - Cl. 4.2.3

Sl. No.	Identification#	Measured Dimension (mm)	Test Result (mm)	Requirement as per IS : 3952 – 2013
1	HP 200 – 1	399 x 203 x 203	0.19	Shall not be more than 5.0 mm
	HP 200 – 2	397 x 203 x 203	0.75	
	HP 200 – 3	397 x 203 x 203	0.22	
	HP 200 – 4	397 x 203 x 203	0.73	
	HP 200 – 5	394 x 202 x 201	0.00	
	HP 200 – 6	397 x 203 x 203	0.20	

V WATER ABSORPTION – cl. 8.2

Sl. No.	Identification#	Measured Dimension (mm)	Test Result (% by weight)	Requirement as per IS : 3952 – 2013
1	HP 200 – 1	399 x 203 x 203	13.7	When Six blocks are tested the average water absorption shall not be more than 20%
	HP 200 – 2	397 x 203 x 203	12.6	
	HP 200 – 3	397 x 203 x 203	13.0	
	HP 200 – 4	397 x 203 x 203	13.6	
	HP 200 – 5	394 x 202 x 201	11.2	
	HP 200 – 6	397 x 203 x 203	13.0	
Average			12.9	

VI EFFLORESCENCE – cl. 8.3

Sl. No.	Identification#	Test Result	Requirement as per IS : 3952 – 2013
1	HP 200 – 1	Slight	Shall have a rating not more than "SLIGHT"
	HP 200 – 2	Slight	
	HP 200 – 3	Slight	
	HP 200 – 4	Slight	
	HP 200 – 5	Slight	
	HP 200 – 6	Slight	

As furnished by the customer

- Note:
1. The results relate only to the items tested.
 2. Report shall not be reproduced except in full, without written approval of the lab.
 3. Any corrections invalidate this report.

for **STEDRANT TECHNOCLINIC PVT. LTD.**

Radhakrishna
 11/6/2021
 **Radhakrishna**
 STPL Manager-Lab