



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

Lab: # 39/5, Govardhan Garden, J C Industrial Area, Yelechenahalli, off. Kanakapura Main Road,
Bangalore - 560062. Ph.: 080 26860348. E-mail : labblr@stedrant.com CIN: U74999KA2017PTC100477
GST No.: 29AAYCS1231L1ZQ www.stedrant.com

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TEST REPORT ON CLAY BLOCKS

Report No:STP/JO-080 -/JUN/2021.1
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-18/1316l dated 07.09.2018
Condition of samples : Satisfactory
Date of Witness : 10.06.2021
Date of Test : 10.06.2021
Product# : POROTHERM HP 100 - (T 90R5) - 06.04.2021
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 100 - 1	397 x 101 x 203	4.4	Shall be 3.5 N/mm ²
	HP 100 - 2	395 x 100 x 202	4.5	
	HP 100 - 3	396 x 100 x 201	4.9	
	HP 100 - 4	395 x 100 x 202	6.7	
	HP 100 - 5	395 x 100 x 202	5.7	
	HP 100 - 6	394 x 100 x 201	5.5	
Average			5.3	

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 100 - 1	397 x 101 x 203	0.46	Shall not be more than 5.0 mm
	HP 100 - 2	395 x 100 x 202	0.00	
	HP 100 - 3	396 x 100 x 201	0.15	
	HP 100 - 4	395 x 100 x 202	0.50	
	HP 100 - 5	395 x 100 x 202	0.00	
	HP 100 - 6	394 x 100 x 201	0.70	

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 100 - 1	397 x 101 x 203	1.88	Shall not be more than 5.0 mm
	HP 100 - 2	395 x 100 x 202	0.35	
	HP 100 - 3	396 x 100 x 201	1.02	
	HP 100 - 4	395 x 100 x 202	0.86	
	HP 100 - 5	395 x 100 x 202	0.92	
	HP 100 - 6	394 x 100 x 201	0.44	

Contd...


11/6/2021
Radhakrishna
STPL Manager-Lab

Corporate Office :
"Sunvak Pride" # 95, Model House Street, Basavanagudi,
Bangalore - 560 004. Ph : 080 26629992

Hyderabad Off./ Lab :
Shed No. F-3/A, Street No. 10, IDA, Nacharam, Hyderabad - 500076.
Mob : +91 9000085790, +91 9000095790, +91 9908875790, +91 9908065790

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 100 – 1	397 x 101 x 203	0.84	Shall not be more than 5.0 mm
	HP 100 – 2	395 x 100 x 202	0.00	
	HP 100 – 3	396 x 100 x 201	0.62	
	HP 100 – 4	395 x 100 x 202	0.51	
	HP 100 – 5	395 x 100 x 202	0.32	
	HP 100 – 6	394 x 100 x 201	0.00	

V WATER ABSORPTION – cl. 8.2

Sl. No.	Identification#	Measured Dimension (mm)	Test Result (% by weight)	Requirement as per IS : 3952 – 2013
1	HP 100 – 1	397 x 101 x 203	12.8	When Six blocks are tested the average water absorption shall not be more than 20%
	HP 100 – 2	395 x 100 x 202	12.0	
	HP 100 – 3	396 x 100 x 201	11.5	
	HP 100 – 4	395 x 100 x 202	9.4	
	HP 100 – 5	395 x 100 x 202	10.9	
	HP 100 – 6	394 x 100 x 201	10.5	
Average			11.2	

VI EFFLORESCENCE – cl. 8.3

Sl. No.	Identification#	Test Result	Requirement as per IS : 3952 – 2013
1	HP 100 – 1	Slight	Shall have a rating not more than "SLIGHT"
	HP 100 – 2	Slight	
	HP 100 – 3	Slight	
	HP 100 – 4	Slight	
	HP 100 – 5	Slight	
	HP 100 – 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.**


11/6/2021
Radhakrishna
STPL Manager-Lab