



KUMARAGURU COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

(Approved by AICTE / Affiliated to Anna University, Chennai/ Accredited by NBA)

Post Box No. 2034 – COIMBATORE – 641 049

DEPARTMENT OF CIVIL ENGINEERING

Ref: DCE/20-21/Testing

November 03, 2020

TEST REPORT

Name of the Client : M/s DSB Green Bricks Pvt Ltd,
S.F.No.228/3, Chikkinapuram,
Udumalai Road, Dhalavaipattinam Post,
Dharapuram – 638656
Tirupur District

Physical test report on Bricks : **Brand DSB – Vacuum Extruded wire cut bricks**
-Supply by Clint

Area of Brick : 24150 mm²

Compressive Strength

Sl No	Observed Value in N/mm ²	Average Value N/mm ²	BIS Recommendation	Reference
1	14.74	13.60	Class designation 12.5	Tested as per IS 3495 : 1992 Part I Class designation as per IS 1077 : 1992 (Reaffirmed 2007)
2	12.52			
3	13.25			
4	13.54			
5	13.95			

Water absorption

Sl No	Observed Value in %	Average Value in %	BIS Recommendation	Reference
1	09.81	09.73	Not more than 15 % by weight for class designation 12.5	Tested as per IS 3495 : 1992 Part II
2	10.22			
3	09.38			
4	09.70			
5	09.58			

Efflorescence

Name of Test	Observed Value	BIS Recommendation	Reference
Efflorescence Test	Nil	Slight	Tested as per IS 3495 : 1992 Part III Rating as IS 1077 : 1992 (Reaffirmed 2007)

Density Test

Sl No	Observed Value in kN/m ³	Average Value kN/m ³	Recommendation
1	18.209	18.375	Good
2	18.545		
3	18.577		
4	18.241		
5	18.306		

Note :- Sampling as per IS 5454 : 1076

Staff In-charge

HOD Civil Engineering