



प्रसार भारती/PRASAR BHARATI

भारत का लोक प्रसारक/INDIA'S PUBLIC SERVICE BROADCASTER

कार्यालय अपर महानिदेशक(अनुसंधान एवं विकास)/O ADDITIONAL DIRECTOR GENERAL (R&D)

अनुसंधान विभाग ,आकाशवाणी एवं दूरदर्शन/RESEARCH DEPARTMENT, ALL INDIA RADIO & DOORDARSHAN

14-बी,इन्द्रप्रस्थ इस्टेट,रिंग रोड/14-B, I.P.ESTATE. RING ROAD,

नई दिल्ली-110002/NEW DELHI -110002

**Test Report No.: 11/2023-24**

File:RD (Acoustic) AIR/TV/2023-24)

Dated: 18.05.2023

To

M/s Complete Infrastructure Pvt. Ltd.  
A-34,Phase -2,  
Mangolpuri Industrial Area  
New Delhi-110034

Testing Place: Acoustic Lab (R&D)

Description of Test Specimen		Description of Test Laboratory	
Company	M/s Complete Infrastructure Pvt. Ltd.	Type of Mounting	E Type
Representative	Sh. Mahipal	Volume of RT room	151.1 m <sup>3</sup>
Sample name	NRC Test for BOLLARD Mineral Fibre Tile (Sandune) of size 600x600x16mm. with airgap 300mm.	Sample Area	191.1 m <sup>2</sup>
Test Combination	As mentioned above.	Temperature	30.7 <sup>o</sup> C
Sample assembled by	'Company' Staff	Humidity	52.7%
Surface area of Sample	10.8m <sup>2</sup>	Type of noise used	Pink
Thickness	N.A.	Measuring equipment	(B&K) Building Acoustic Analyzer 2270
Density	N.A.	Microphone & Preamp.	(B&K) ½" Free Field 4189 mike, ZC0032 (B&K) Preamp.
		Sound Source	(B&K) Omni Power 4292-L
		Power Amplifier	(B&K) Type 2734

(Bani Singh)  
Assistant Engineer

(Rajesh Kumar)  
Deputy Director (Engg.)



सत्यमेव जयते

प्रसार भारती/PRASAR BHARATI

भारत का लोक प्रसारक/INDIA'S PUBLIC SERVICE BROADCASTER

कार्यालय अपर महानिदेशक) अनुसंधान एवं विकास/O/O ADDITIONAL DIRECTOR GENERAL (R&D)

अनुसंधान विभाग, आकाशवाणी एवं दूरदर्शन/RESEARCH DEPARTMENT, ALL INDIA RADIO & DOORDARSHAN

14-बी, इन्द्रप्रस्थ इस्टेट, रिंग रोड/14-B, I.P.ESTATE, RING ROAD,

नई दिल्ली-110002/NEW DELHI -110002



## Test Report No.:11/2023-24

Testing Place: Acoustics Lab (R&D)

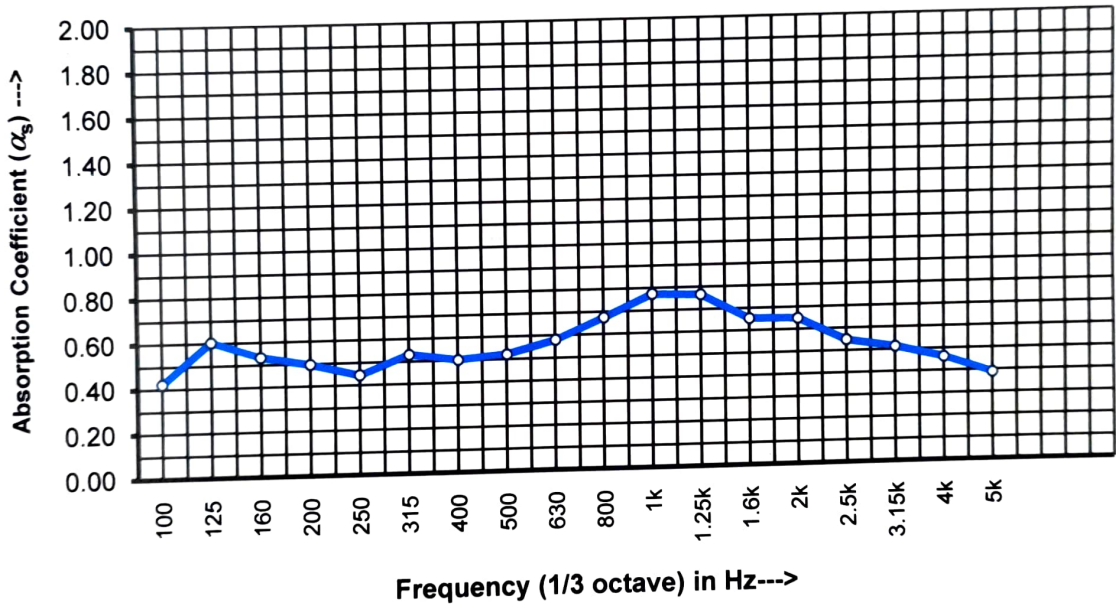
Company: M/s Complete Infrastructure Pvt. Ltd.

Sample: BOLLARD Mineral Fibre Tile (Sandune) of size 600x600x16mm. with airgap 300mm.

### Measured Data:

Freq(Hz)	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k
Te (Sec)	6.72	5.90	5.31	4.46	4.13	4.93	4.64	4.83	4.76	4.50	4.43	4.25	4.13	3.91	3.69	3.46	3.12	2.72
Tm (Sec)	2.95	2.26	2.33	2.23	2.26	2.26	2.26	2.12	1.90	1.74	1.72	1.86	1.82	1.93	1.92	1.89	1.84	1.72

### Absorption Characteristics



**NRC: 0.6**

Method of Measurement and Evaluation: IS: 8225/ ISO: 354/ ASTM 423C

Freq (Hz)	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k
ABS. Coef	0.42	0.60	0.53	0.50	0.44	0.53	0.50	0.52	0.58	0.67	0.77	0.77	0.65	0.65	0.55	0.51	0.46	0.39

(Bani Singh) 18/5/23  
Assistant Engineer

Rajesh Kumar  
19/05/2023  
Deputy Director (Engg.)

Tel. 01144714793, E-mail: cerdaairdd@gmail.com, [acousticslabairdd@gmail.com](mailto:acousticslabairdd@gmail.com).