



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.: 46/2023-24



सत्यम् शिवम् सुन्दरम्



आकाशवाणी

Dated: 11.03.2024

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

To

M/s Complete Infrastructure Pvt. Ltd.
Y-46, Okhla Industrial Area, Phase 2, Harikesh Nagar Metro Station,
Harkesh Nagar, South East Delhi
Delhi-110020
India

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. Anuj Garg	Volume of RT room	151.1 m ³
Sample name	NRC Test for BOLLARD Mineral Fibre Tile (Sandune Max) of size 600x600x20mm. with airgap 300mm.	Sample Area	191.1 m ²
Test Combination	As mentioned above.	Temperature	20° C
Sample assembled by	'Company' Staff	Humidity	68%
Surface area of Sample	10.8m ²	Type of noise used	Pink
Thickness	N.A.	Measuring equipment	(B&K) Building Acoustic Analyzer 2270
Density	N.A.	Microphone & Preamp.	(B&K) 1/2" Free Field 4189 mike, ZC0032 (B&K) Preamp.
		Sound Source	(B&K) Omni Power 4292-L
		Power Amplifier	(B&K) Type 2734

(Arun Ekka)

Assistant Engineer

12-03-2024
ARUN EKKA
Assistant Engineer
Research Department Air & DD
P. Estate, New Delhi-110002

Tel. 01144714793, E-mail. cerdairdd@gmail.com, acousticlabairdd@gmail.com.

(Rajesh Kumar)

Deputy Director (Engg.)

राजेश कुमार / RAJESH KUMAR

उप निदेशक (अधि.) / Deputy Director (Engg.)

अनुसंधान विभाग / Research Deptt.

आकाशवाणी एवं दूरदर्शन

All India Radio & Doordarshan

14-बी, रिंग रोड, इ. प्र. एस्टेट, नई दिल्ली-110002
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Test Report No.: 46/2023-24

Testing Place: Acoustics Lab (R&D)

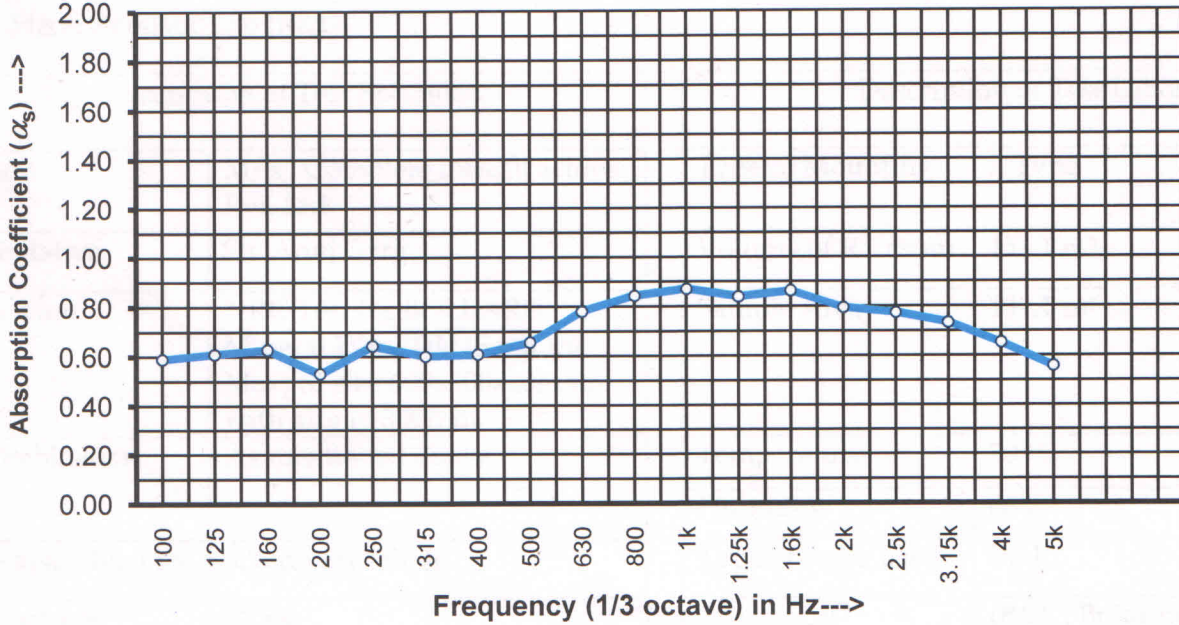
Company: M/s Complete Infrastructure Pvt. Ltd.

Sample: BOLLARD Mineral Fibre Tile (Sandune Max) of size 600x600x20mm. 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)	6.03	5.94	5.53	4.43	4.14	4.71	4.78	4.95	5.00	4.75	4.71	4.49	4.33	4.06	3.81	3.43	2.98	2.49
Tm (Sec)	2.34	2.28	2.18	2.17	1.90	2.09	2.03	1.83	1.71	1.67	1.68	1.63	1.67	1.65	1.62	1.60	1.54	1.44

Absorption Characteristics



NRC: 0.75

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	0.59	0.61	0.63	0.53	0.64	0.60	0.61	0.66	0.78	0.84	0.87	0.84	0.86	0.80	0.78	0.73	0.65	0.56

(Arun Ekka)
Assistant Engineer

12-03-2024
ARUN EKKA
Assistant Engineer
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(Rajesh Kumar)

Deputy Director (Engg.)

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उप निदेशक (अभि.) / Deputy Director (Engg.)
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