



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



सत्यम् शिवम् सुन्दरम्

Test Report No.: 11/2024-25

Dated: 21.05.2024

File:RD (Acoustic) AIR/TV/2024-25)

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 make GI Lay in perforated 1.8mm dia. tile 600*600*0.5mm with acoustical fleece with 300mm airgap.	Sample Area	191.1 m ²
Test Combination	As mentioned above.	Temperature	30.3 ^o C
Sample assembled by	'Company' Staff	Humidity	46.7%
Surface area of Sample	10.8m ²	Type of noise used	Pink
Thickness	As described above.	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
21-05-2024
ARUN EKKA
ASSISTANT DIRECTOR (R&D)
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14 B, I.P. ESTATE
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Rajesh Kumar
21/05/2024
(Rajesh Kumar) KUMAR
Deputy Director (Engg.) (Engg.)
अनुसंधान विभाग / Research Dept.
आकाशवाणी एवं दूरदर्शन
All India Radio & Doordarshan
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नई दिल्ली-110002/NEW DELHI -110002



Test Report No.: 11/2024-25

Testing Place: Acoustics Lab (R&D)

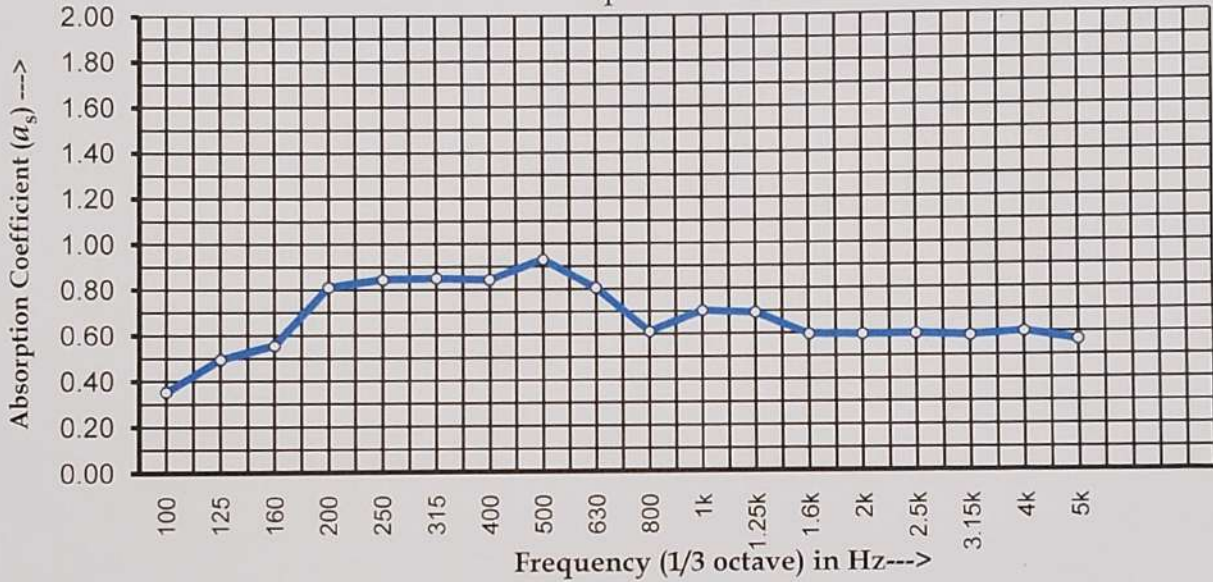
Company: M/s Complete Infrastructure Pvt. Ltd.

Sample: BOLLARD make GI Lay in perforated 1.8mm dia. tile 600*600*0.5mm with acoustical fleece with 300mm airgap.

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)	5.73	5.34	5.11	3.98	3.67	4.07	4.02	4.44	4.50	4.17	4.19	4.01	3.84	3.63	3.41	3.12	2.74	2.35
Tm (Sec)	3.00	2.44	2.24	1.62	1.53	1.59	1.55	1.71	1.94	1.80	1.78	1.89	1.84	1.78	1.71	1.57	1.47	1.37

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	0.35	0.49	0.56	0.81	0.84	0.85	0.84	0.93	0.80	0.61	0.70	0.69	0.60	0.59	0.60	0.59	0.60	0.56

(Signature)
24-05-2024
ARUN EKKA
ASSISTANT DIRECTOR (E)
RESEARCH DEPARTMENT
NR & D, PRASAR BHARATI
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(Signature)
21/05/2024
(Rajesh Kumar)
Deputy Director (Engg.)
उप निदेशक (अ.वि.) / Deputy Director (Engg.)
अनुसंधान विभाग / Research Deptt.
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