ECOTONE Acoustic and decorative panels

FOR WALLS AND CELLINGS

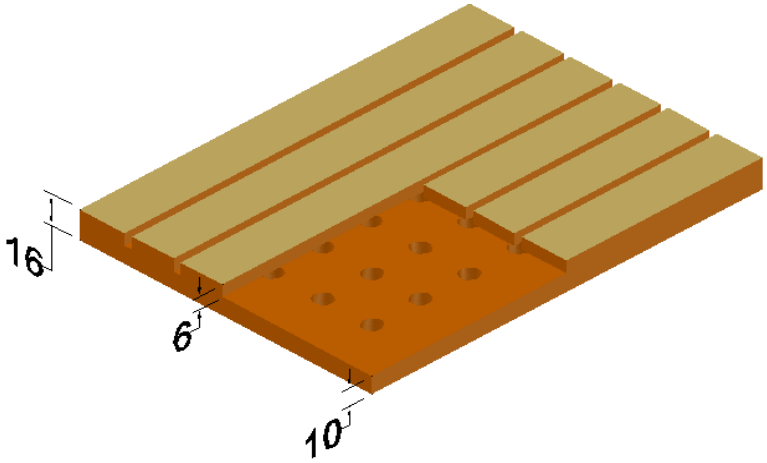
ECOTONE

AN ISO 9001:2015 CERTIFIED COMPANY

Description **ACOUSTIC GROOVED PANELS**

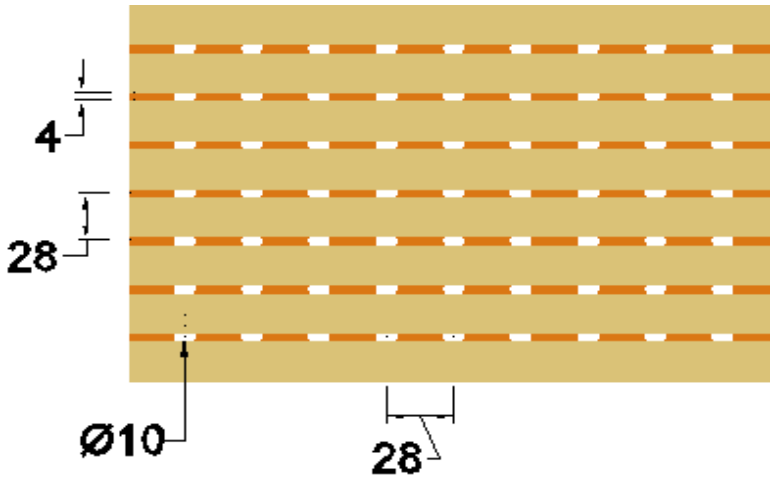
Acoustic slat with grooves on viewed face and holes on the back side

Acoustic Slats GENERAL FEATURES



Distance between grooves	14 mm / 28 mm
Width of groove	4 mm
Depth of groove	6 mm
Diameter of hole	Ø 8 mm / Ø 10 mm
Depth of hole	10 mm
Panel Thickness	16 mm
Panel Dimension	2440 (L) X 575 (W)
Materials	Pre laminated High Density MDF Board (OSL & BSL)
Finishing (Shade)	Pre laminated board Colour **as Per Client Requirment**

ECOTONE Can also Customized ACOUSTIC GROOVED PANELS as Per Client Requirment



Acoustic Slats APPLICATIONS

Wall coverings and Ceiling

Installation: Easy to be Installed by Z Clip System or Dowel System

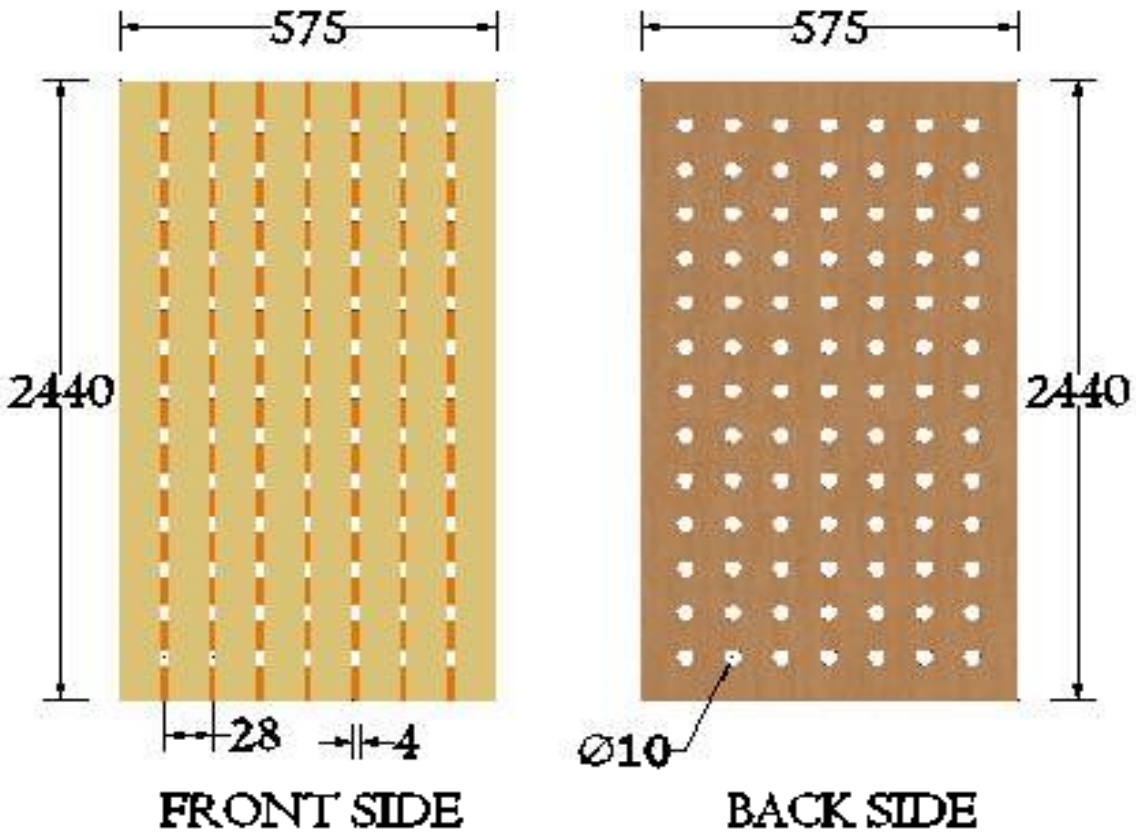
ECOTONE designs and manufactures acoustic and decorative panels for walls, ceilings and furniture in auditoriums, theatres, restaurants, hotels and all kind of interior projects which require technical designen requirments.

Acoustic Grooved panel supplied in the form of modular slats with special sound absorption characteristics and excellent Installation result. Acoustic panel system with high technical and aesthetic qualities. At the technical level it has a high absorption coefficient. Aesthetically it has a linear design, elegant and discreet, very suitable for acoustic conditioning that requires a high level. Acoustic correction with high aesthetic level. Applicable to walls and ceilings.

ECOTONE products have a reputation for reliability as we are dedicated to researching and testing every product from certified laboratories for STC and NRC ratings to suggest best product as per site needs.

In order to achieve a high acoustic absorption coefficient and a beautiful aesthetics

Acoustic slat with grooves on viewed face and holes on the back side



NRC – Noise Reduction Coefficients

The Noise Reduction Coefficient (NRC) is a scalar representation of the amount of sound energy absorbed upon striking a particular surface. An NRC of 0 indicates perfect reflection; an NRC of 1 indicates perfect absorption. In particular, it is the average of four sound absorption coefficients of the particular surface at frequencies of 250 Hz, 500 Hz, 1000 Hz, and 8000 Hz. These frequencies encompass the fundamental frequencies and first few overtones of typical human speech, and, therefore, the NRC provides a decent and simple quantification of how well the particular surface will absorb the human voice. A more broad frequency range should be considered for applications such as music or controlling mechanical noise.

Specifications for materials used in sound absorption commonly include an NRC

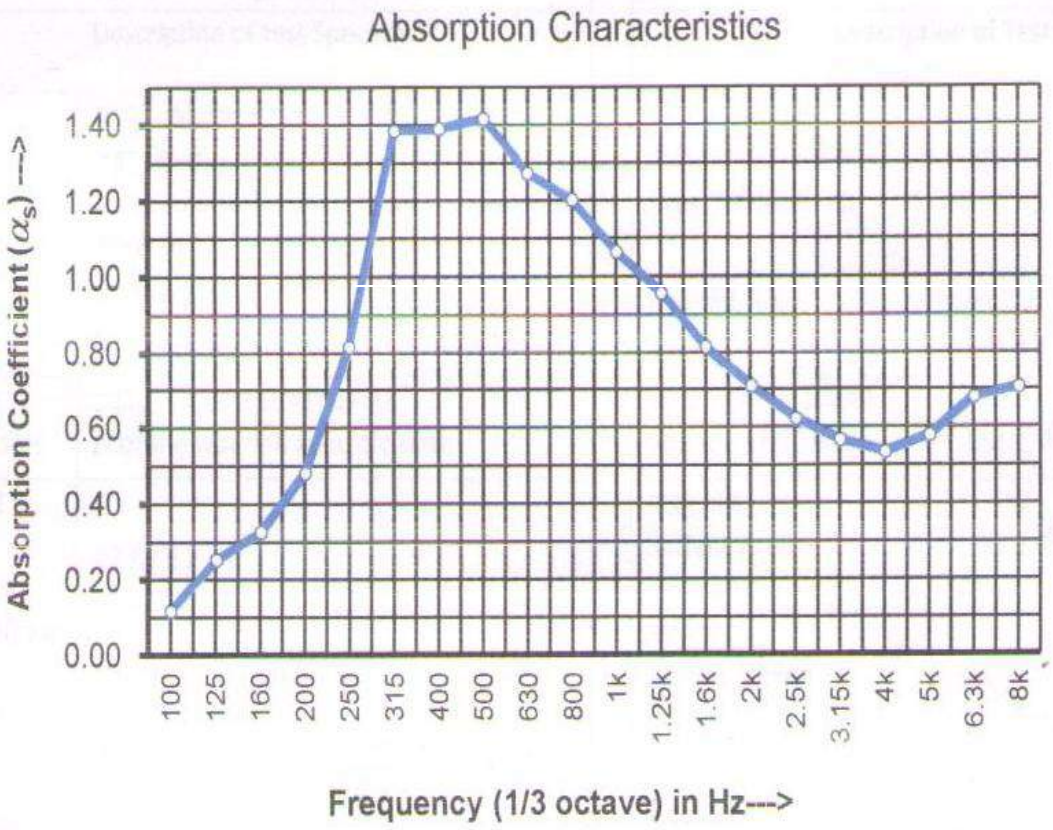
Acoustical materials manufacturers often report NRC values higher than 1.0 due to the way the number is calculated in a laboratory. A test material's area does not include the sides of the panel (which are exposed to the test chamber) which vary due to its thickness. A certain percentage of the sound will be absorbed by the side of the panel due to diffraction effects.

NRC TEST Certificate ACOUSTIC GROOVED PANELS

As Per IS : 8225/ISO: 354/ASTM 423C

MEASURED DATA:

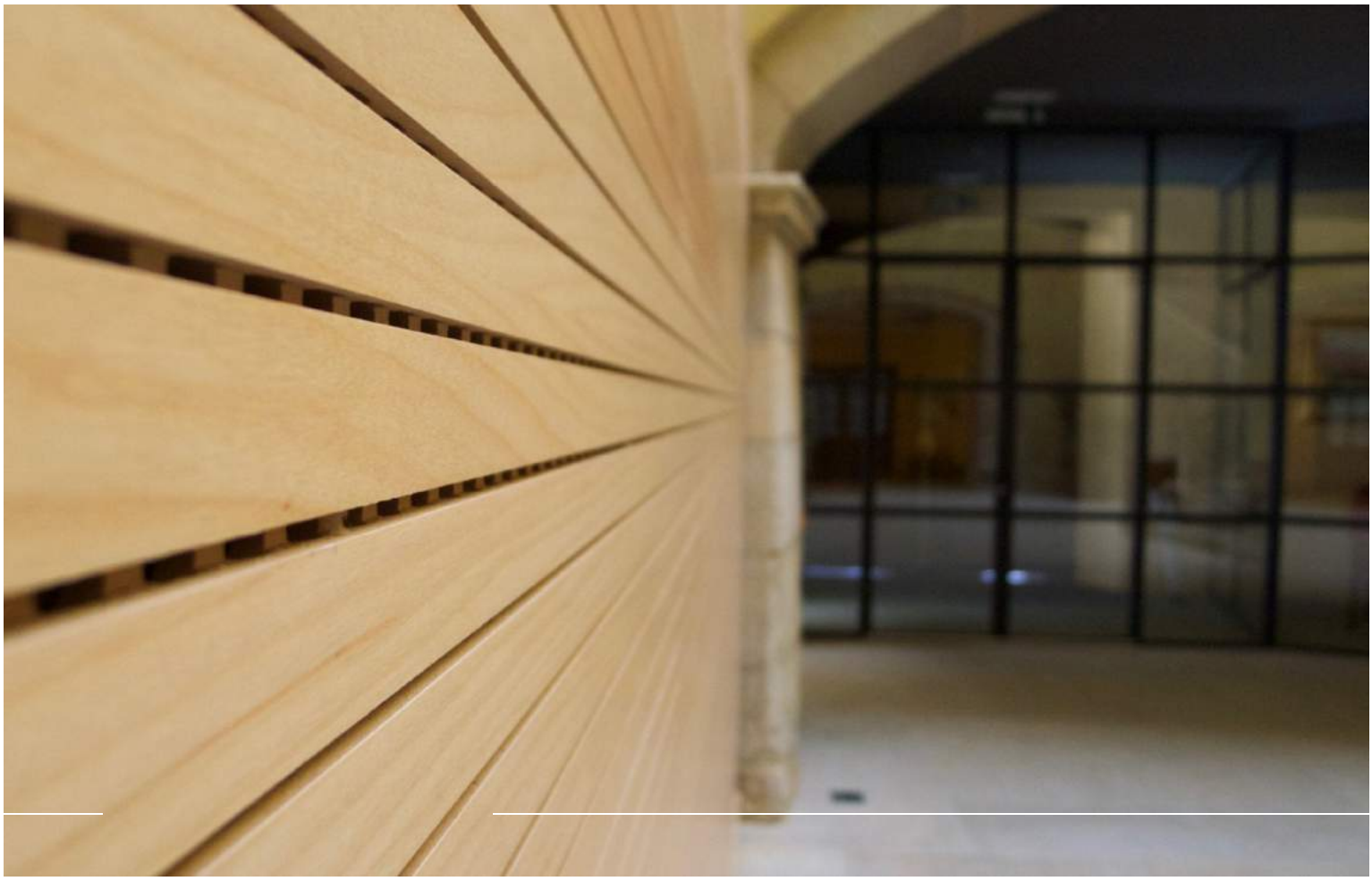
Freq (Hz)	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k
T1 (Sec)	5.87	5.85	5.39	4.72	4.67	4.53	4.32	4.40	4.44	4.30	4.25	4.23	4.04	3.81	3.64	3.29	2.79	2.40	2.01	1.50
T2 (Sec)	4.56	3.61	3.11	2.42	1.80	1.25	1.23	1.22	1.32	1.36	1.47	1.57	1.70	1.79	1.87	1.85	1.72	1.52	1.28	1.04

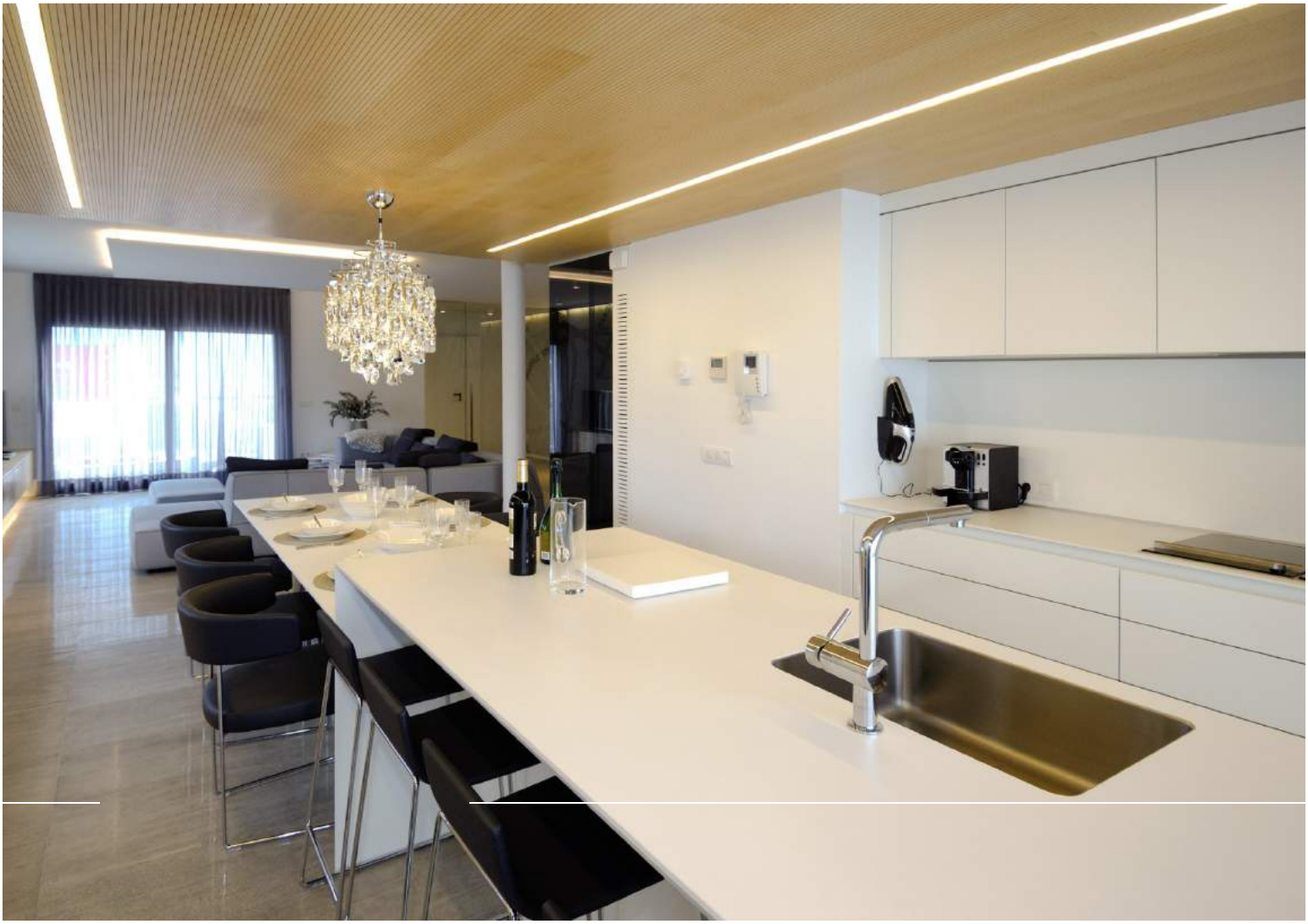


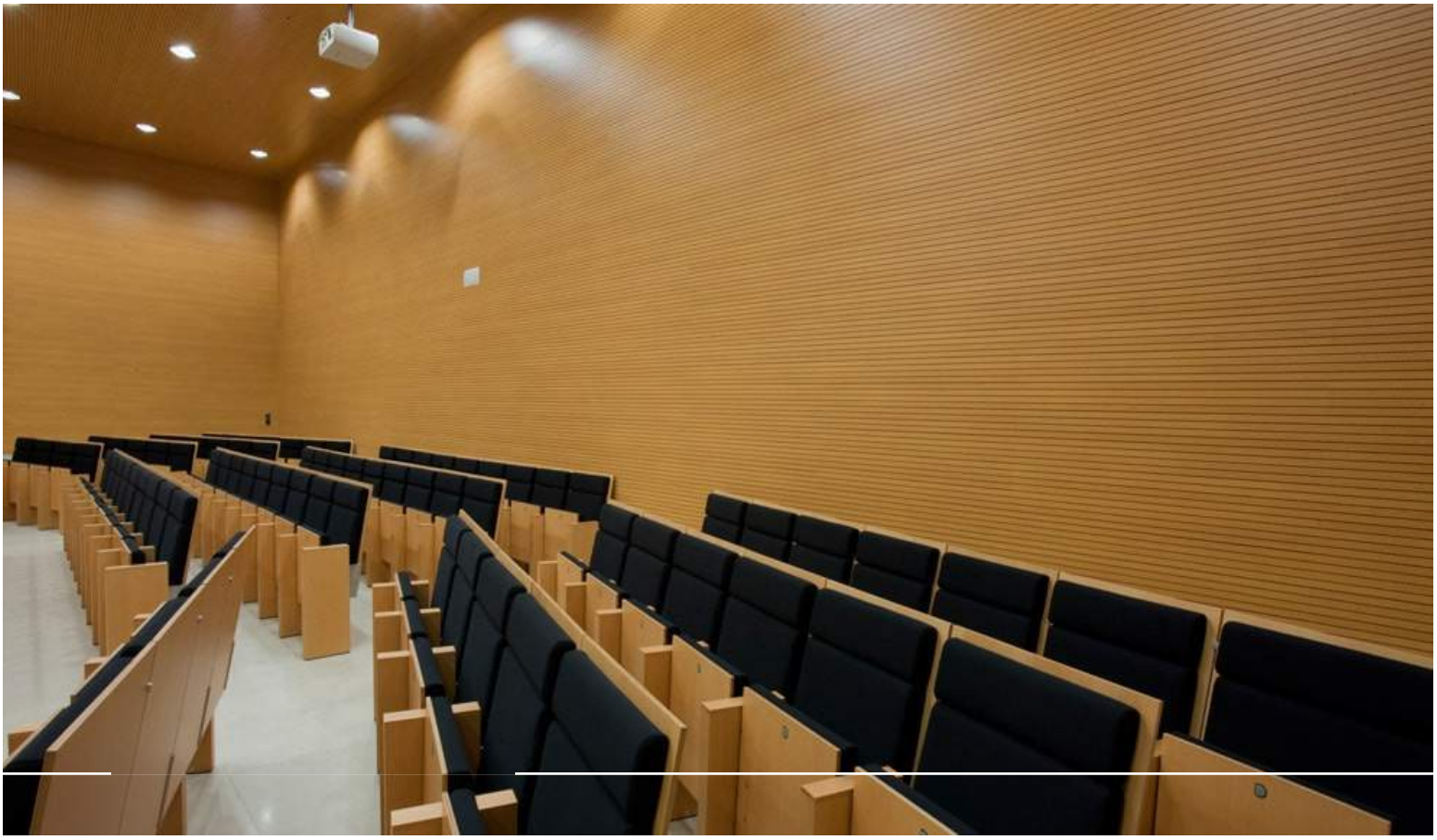
Evaluation of Absoption Coeficient 1.001 NRC: 1.00

Freq (Hz)	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k
ABS. Coef	0.12	0.25	0.33	0.48	0.82	1.38	1.39	1.42	1.27	1.20	1.06	0.96	0.81	0.71	0.62	0.57	0.53	0.58	0.68	0.70

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







ABOUT US

Ecotone Systems design and manufacturing Company has been leading the way in Noise control, Acoustics, Insulation and Green Building Products. We design, manufacture and test performance of our noise control / acoustic products for a wide variety of applications and delivering the solutions to our customers need, where they need them and we "Ecotone Systems" is a leading professional Acoustic Treatment & design services provider in India with acoustical expert consultants advice on lowest cost in Delhi India.

Ecotone Systems design / manufacturer of next-generation products and provide customised solutions i.e. acoustic enclosure , portable cabins , noise barrier, auditoriums acoustic , Gymnasium hall , Studio, home theaters , puf insulated panels and related services to industries , infrastructure and architecture organizations from an extensive range of products to chose from, which suits their aesthetic as well as acoustic requirements.

Ecotone Systems helps customers to improve their efficiency by controlling noise at work place or by best acoustic design, we provide solutions based on open standards, our customers can decide what works best for them. Our objective is to give people the best product with best design and services

Ecotone Systems believes in latest technology should be use to design next-generation product which can fulfill client's requirement as per international standards.

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