CORALREEF®

DIFFUSION PANEL

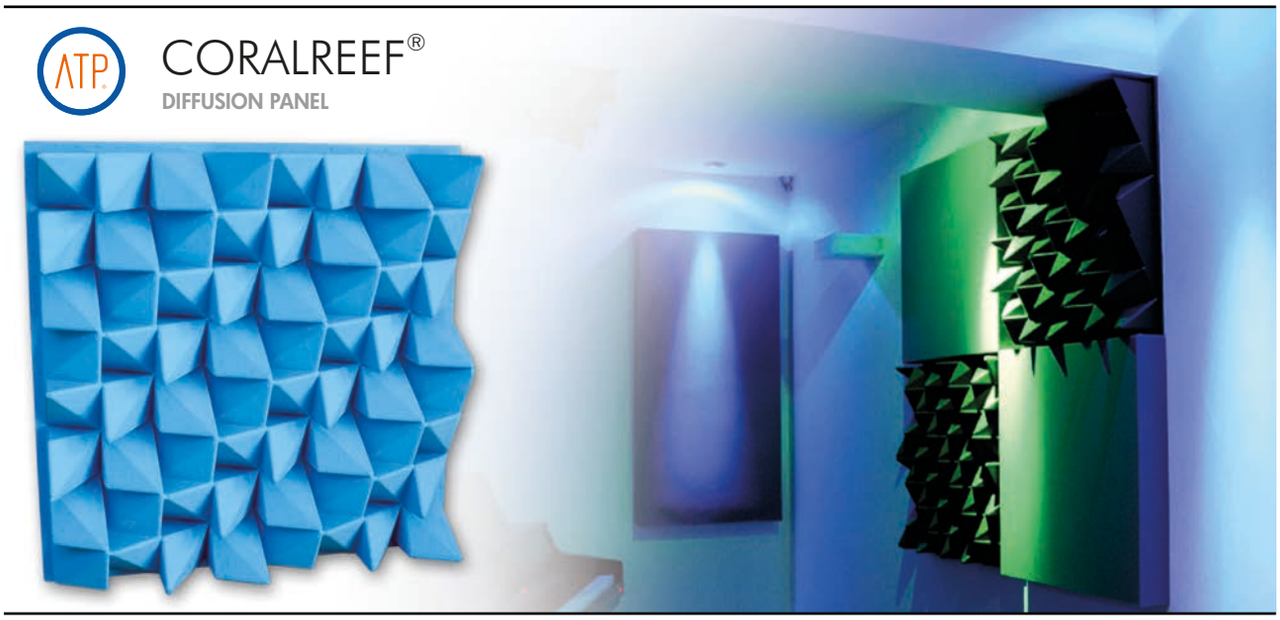


Image of 60x60cm model **Ref.:COR060**.

DESCRIPTION

The CORALREEF® is a 3D controlled dispersion acoustic diffusion panel. It is made of high-density polystyrene and its finishing membrane provides it with the intended acoustic qualities.

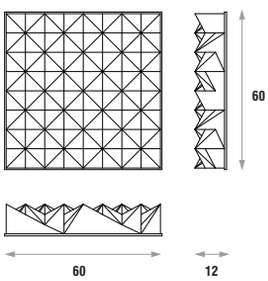
Its angular appearance gives dynamics to any space and provides a decorative effect and attractive combinations.

This acoustic panel is installed on ceilings and walls. Its low weight makes it the ideal product for use on false ceilings, on its own or alternated with flat modules when refinement and quality are required.

The calculation basis was the theoretical numerical sequence ratio of the primitive root, thus providing excellent results of sound diffusion in all directions. The depth factor is logarithmically varied, and it is, therefore, a three-dimension omnidirectional reflection panel. Due to its quite sinuous shape with deep recesses, as well as the raw material it is made of, this product also has a considerable associated absorption coefficient.

Is the top model of ATP® diffusers set.

TECHNICAL DRAWINGS



FEATURES

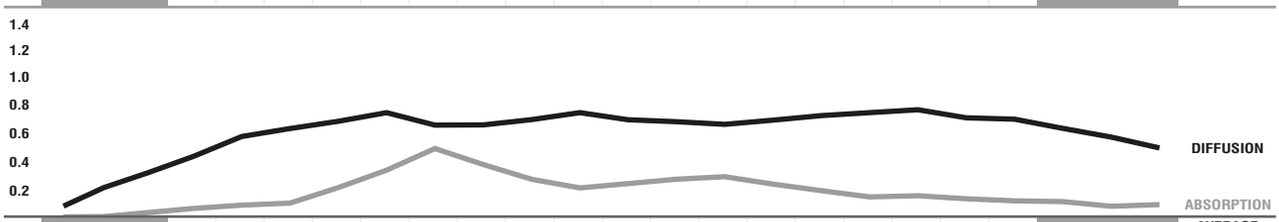
- Manufactured with High-Density EPS.
- Average diffusion: **0.68/m²** [>100Hz;<5KHz].
- NRC: **0.28/m²** [>100Hz;<5KHz].
- Fire resistance: Euroclass B-s3,d1 (similar to old M1).
- Finished with an ecological paint.
- 100% recyclable.

MODELS AND SIZES

MODELS	HEIGHT	WIDTH	DEPTH	WEIGHT
COR060	60 cm	60 cm	12 cm	1.9 Kg

DIFFUSION - ABSORPTION COEFFICIENT

	0.09	0.22	0.34	0.43	0.59	0.62	0.68	0.73	0.65	0.66	0.69	0.74	0.70	0.68	0.66	0.68	0.72	0.75	0.76	0.72	0.70	0.62	0.58	0.49	0.68
αS	0.00	0.00	0.02	0.06	0.07	0.10	0.21	0.36	0.50	0.39	0.28	0.22	0.26	0.29	0.31	0.24	0.20	0.17	0.18	0.13	0.11	0.09	0.07	0.08	0.28
Hz	50	63	80	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	10k	AVERAGE /NRC



ABSORPTION COEFFICIENT: Values in accordance with the standards: EN 20654, ASTM C423 and EN 11654.

DIFFUSION COEFFICIENT: These values were obtained by mathematical calculations and tests carried out in our laboratory.

Values [<100Hz and > 5K] are Non Standard Values.

STANDARD EPS RAL COLOURS

BEIGE	YELLOW	ORANGE	RED	PURPLE	LIGHT BLUE	BLUE	GREEN	BROWN	LIGHT GREY	GREY	BLACK	WHITE
Similar to RAL 1011	Similar to RAL 1003	Similar to RAL 2001	Similar to RAL 3003	Similar to RAL 4007	Similar to RAL 5010	Similar to RAL 5013	Similar to RAL 6028	Similar to RAL 8019	Similar to RAL 7001	Similar to RAL 7015	Similar to RAL 9005	Similar to RAL 9003

IMPORTANT NOTICES

- JOCAVI® accepts no responsibility for any printing errors. Specifications can be modified without prior notice, if technical or commercial reasons so require.
- RAL® is an international independent colour standard system partner for industry, trade, architecture and design. Should be consulted before placing any order.
- The colours shown on this catalogue are only a reference and an illustration of the products finishing. The colours shown are not binding because brightness, contrast and colour balance may vary due to the printing process.
- Colours may vary due to raw-material suppliers' changes and some differences may occur in tonal range.
- Typical Indoor Comfort Standards state a temperature range of 20ºC - 27ºC (68ºF - 81ºF), and a relative humidity of less than 60%. These would be considered as normal operational levels of JOCAVI® products' range.
- Sizes may vary slightly due to their production method and some inherent raw-materials characteristics.