

The Coralreef® is a 3D acoustic diffusion treatment panel with controlled dispersion. It is made of high-density expanded polystyrene (EPS) and its finishing membrane provides its intended acoustic qualities.

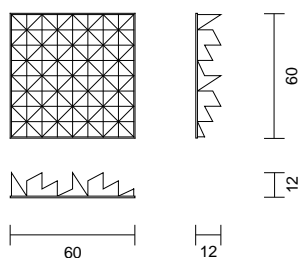
Its angular appearance adds dynamism to any room by enabling a decorative effect and attractive combinations. This acoustic panel is placed on walls and ceilings. Coralreef®'s light weight makes it the ideal product for use on suspended ceilings, on its own or alternated with flat modules, when refinement and quality are required.

The theoretical numerical sequence ratio of the primitive root was used as a calculation basis which gives it excellent sound diffusion in all directions. The depth factor is logarithmically varied, thus making it a 3D omnidirectional reflection panel. Since it has a rather sinuous shape, with deep recesses, this product also has a considerable absorption coefficient.

## MODEL SIZES

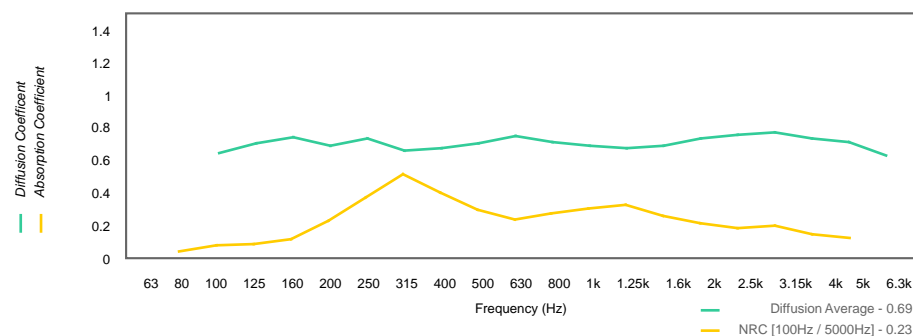
	H	W	D	Kg
COR060	60 cm	60 cm	12 cm	1.9

## TECHNICAL DRAWING



COR060

## GRAPHIC



## VALUES

																	Diffusion Coefficient			
100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	6.3k		
0.63	0.69	0.73	0.68	0.72	0.65	0.66	0.69	0.74	0.7	0.68	0.66	0.68	0.72	0.75	0.76	0.72	0.7	0.62		
																	Absorption Coefficient			
80	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k		
0.02	0.06	0.07	0.1	0.21	0.36	0.5	0.39	0.28	0.22	0.26	0.29	0.31	0.24	0.2	0.17	0.18	0.13	0.11		

These values were obtained by mathematical calculations and tests carried out in our laboratory

— Values in accordance with the Standards: EN 20354, ASTM C423 and EN 11654.

■ Non Standard values.