

This table is your quick reference for finding the right product based on ACOUSTIC needs.
If you need further background information about acoustics you can find it on the following pages.

Selection table: Acoustics

Page	Acoustic data measured at:		Absorption class	α_w^*	α_p						$D_{n,f,w}^{**}$ (C;C _{tr})	R_w (C;C _{tr})	
	Thickness of tile (mm)	Suspension height (mm)			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz			
MONOLITHIC CELING													
MonoAcoustic	62	30	-	B	0.85	0.45	0.80	0.80	0.80	0.85	0.75	-	-
DESIGN WHITE													
Sonar	68	20	200	A	1.00	0.45	0.85	1.00	1.00	1.00	1.00	-	-
Sonar Activity	70	40	200	A	1.00	0.50	0.80	0.95	1.00	1.00	1.00	-	-
Sonar Alto	72	20	200	E	0.20	0.35	0.25	0.15	0.15	0.25	0.20	-	-
Alaska	74	20	200	A	1.00	0.45	0.85	1.00	0.95	1.00	1.00	-	-
Alaska dB 35	80	25	225	B	0.80	0.35	0.55	0.80	1.00	1.00	1.00	35 dB (-2;-8)	19 (-1;-3)
Alaska dB 40	82	30	230	B	0.85	0.35	0.55	0.95	1.00	1.00	1.00	40 dB (-2;-6)	21 (-1;-2)
Sonar dB 40	86	30	230	B	0.85	0.35	0.55	0.95	1.00	1.00	1.00	40 dB (-2;-6)	21 (-1;-2)
Sonar dB 44	88	50	250	A	0.90	0.40	0.60	0.95	1.00	1.00	1.00	44 dB (-1;-7)	27 (-1;-4)
DESIGN DECORATION													
Sonar Luna	90	20	200	A	0.95	0.45	0.75	0.95	0.90	1.00	1.00	-	-
Ligna	94	20	200	B	0.85	0.45	0.75	0.85	0.80	0.90	0.95	-	-
Selva	98	20	200	A	0.95	0.50	0.75	1.00	0.90	0.95	0.80	-	-
Polar Colour	102	15	200	A	0.95	0.40	0.75	0.95	0.90	1.00	1.00	-	-
BASIC WHITE													
Koral	108	15-25	200	A	0.90	0.45	0.80	0.95	0.80	0.90	0.85	-	-
Koral Tenor	110	15	200	C	0.60	0.55	0.60	0.60	0.55	0.60	0.45	-	-
Pacific	112	12	200	C	0.60	0.55	0.65	0.60	0.55	0.65	0.50	-	-
		15	200	C	0.70	0.40	0.65	0.65	0.65	0.70	0.70	-	-
SPECIAL AREA													
Hygienic													
Hygienic	118	20	200	A	0.90	0.45	0.90	0.95	0.85	0.90	0.85	-	-
		40	200	A	0.95	0.50	0.90	0.95	0.95	0.95	0.85	-	-
Hygienic Plus	120	20	200	A	0.90	0.45	0.90	0.95	0.85	0.90	0.85	-	-
		40	200	A	0.95	0.50	0.90	0.95	0.95	0.95	0.85	-	-
Healthcare													
MediCare	124	15-25	200	A	0.90	0.45	0.80	0.95	0.80	0.90	0.85	-	-
		20	200	A	0.95	0.45	0.75	0.90	0.90	1.00	1.00	-	-
MediCare Plus	126	20	200	A	0.90	0.50	0.70	0.90	0.85	0.95	0.85	-	-
MediCare Ultra	128	20	200	A	0.90	0.45	0.90	0.95	0.85	0.90	0.85	-	-
		40	200	A	0.95	0.50	0.90	0.95	0.95	0.95	0.85	-	-
Impact Resistance													
Samson	130	40	200	A	1.00	0.45	0.85	1.00	1.00	1.00	1.00	-	-
Education													
Scholar	134	20	200	A	0.90	0.50	0.70	0.90	0.85	0.95	0.85	-	-
		40	200	A	0.95	0.55	0.75	0.95	0.95	0.95	0.80	-	-
OTHER													
Wall Absorbers													
Samson	140	40	40	B	0.80	0.15	0.50	1.00	1.00	1.00	1.00	-	-
Scholar	140	40	40	A	0.95	0.20	0.70	1.00	1.00	0.95	0.90	-	-
Sonar Activity	142	40	40	A	0.95	0.30	0.70	0.90	1.00	1.00	1.00	-	-
Polar Colour	142	40	40	B	0.85	0.10	0.55	0.95	1.00	1.00	0.95	-	-
Industrial													
Industrial Ceiling Panel Off White	146	50	200	A	1.00	0.55	0.90	1.00	1.00	1.00	1.00	-	-
Industrial Ceiling Panel Black	146	50	200	A	1.00	0.55	0.90	1.00	1.00	1.00	1.00	-	-
Baffles***													
Fibril Multiflex (1200 x 600)	152	50	-	C	0.70	0.35	0.45	0.70	0.85	0.85	0.85	-	-
Opal Multiflex (1200 x 450)	152	50	-	C	0.65	0.30	0.40	0.60	0.75	0.75	0.75	-	-
Hygienic (1200 x 600)	152	50	-	C	0.70	0.30	0.40	0.75	0.85	0.85	0.85	-	-

* α_w and absorption class is measured at 200mm construction height unless otherwise specified.

** $D_{n,f,w}$ value is measured in a lab according to ISO 10848-2. The total sound insulation of a construction is dependent on a lot of factors, e.g. partition walls, ceiling type (e.g. material, tile dimensions and edge types), cut throughs and connections.

*** Data based on 1 baffle per m²