

SANDWICH SOUND DEADENING



PRODUCT INFORMATION

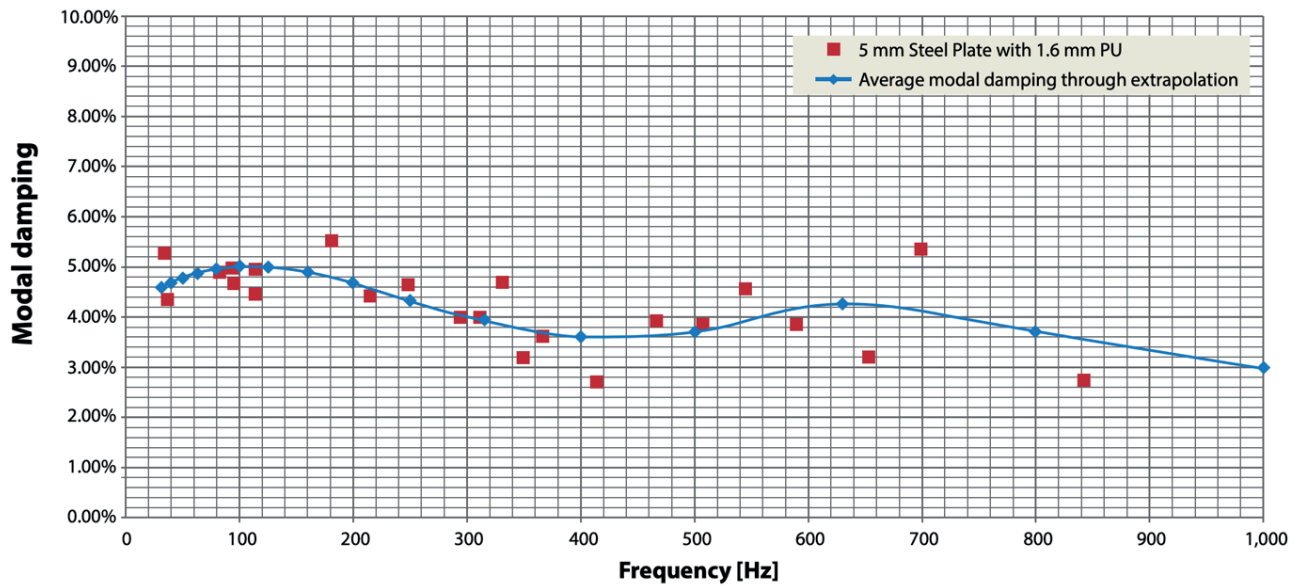
Sandwich sound deadening is mostly used on steel structures however it can be used on aluminium structures as well or CLD constrained layer plates in case weight is important.

DAMPASTE component A and B comes in cans of 6 + 1 kg and must be mixed prior to applying the material unto the structure. For steel structures a ratio of 4 : 1 : 1 is common meaning with a 8 mm steel structure we need 2 mm of DAMPASTE and a 2mm steel perforated counter plate (200 x 100 mm).

The surface area must be covered for minimum 90% which means that the counter plates must be applied closely together as shown below:

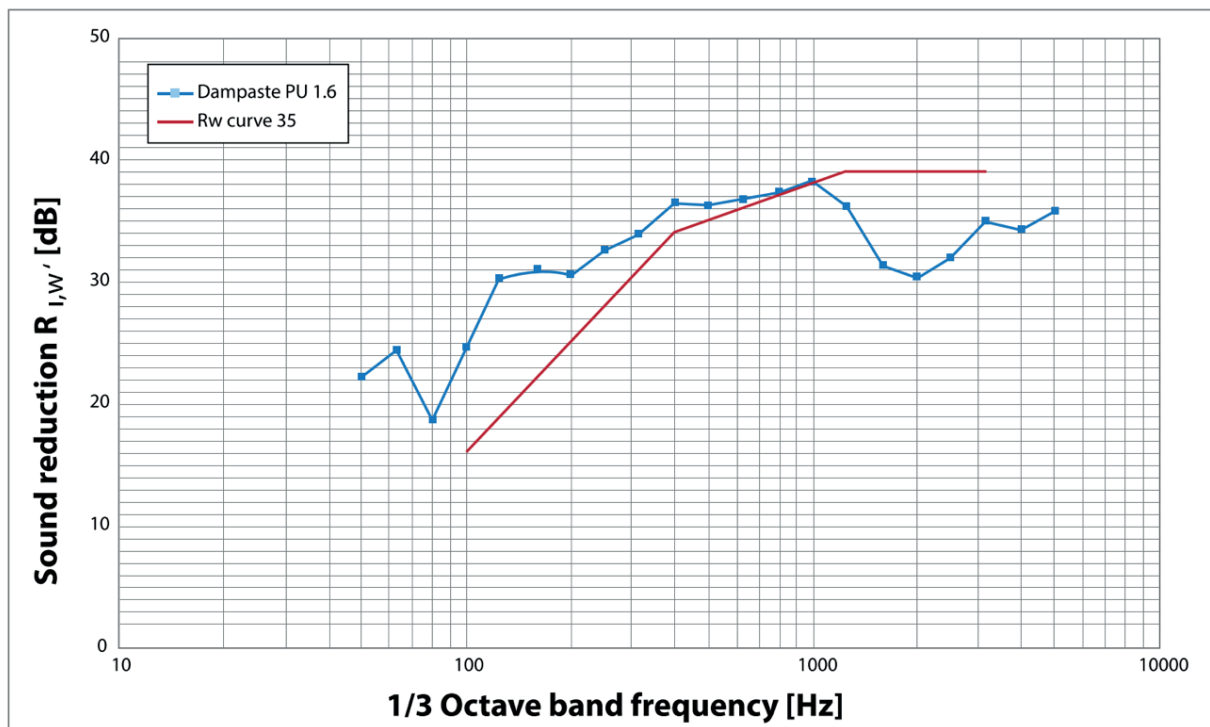


Sandwich sound deadening increases the damping of the structure and isolates radiation of structure borne sound.



Average modal damping through extrapolation

31,5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000
0.046	0.047	0.048	0.049	0.050	0.050	0.050	0.049	0.047	0.044	0.040	0.036	0.037	0.043	0.037	0.030



Frequency, f [Hz] 1/3 Octave Band

50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
22.2	24.4	18.7	24.6	30.4	31.0	30.6	32.7	33.9	36.5	36.3	36.8	37.3	38.2	36.2	31.3	30.4	32.0	34.9	34.2	35.8

Reduction, [dB]