DRUMACOUSTIC

Material	Available thickness
Acoustic sandwich panel	12 mm – 26 mm

Surface	Available size
Rough or painted	2480 x 1210 mm or 2480 x 600 mm (Other dimensions on request)

Connection

square edges, grooved and plywood keyway or with overlap 30/40/50 or 60 mm cut-out on all four edges

Our sandwich panels are made up of panels with ocoume multiplex through and through and a core of Poplar:

– DrumAcoustic 2150 / Heavy solid rubber (EPDM, PVC free) (2150 kg / m3)
– DrumAcoustic 1050 / Rubber (1050 kg / m3)
– DrumAcoustic 700 / Rubber (700 kg / m3)
– DrumAcoustic 550 / Light composed with cork / rubber (550 kg / m3)
– DrumAcoustic 225 / Ultra Light composed with cork layer (225 kg / m3).

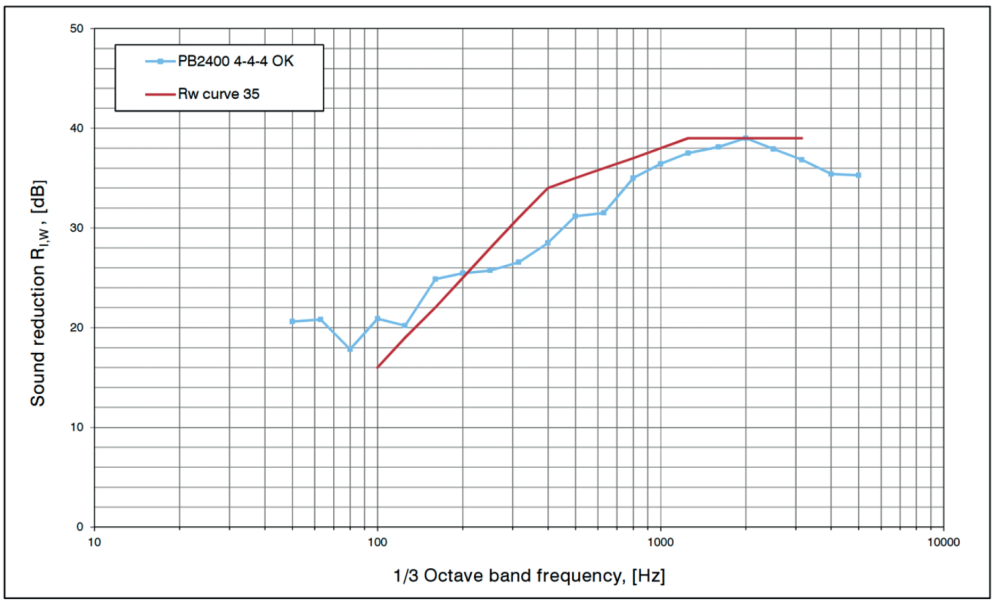
These materials dampen the vibration before it is radiated as sound and transferred to other system components. Usually used in sandwich with plywood, but can also be glued with aluminum or steel.

The acoustic sandwich panels are often used for floors and partition walls.

Noise reduction measurements are in accordance with ISO 717-1.

All panels are available with square edges, grooved (on 4 sides) or with an overlap of 30, 40, 50 or 60 mm on all sides.

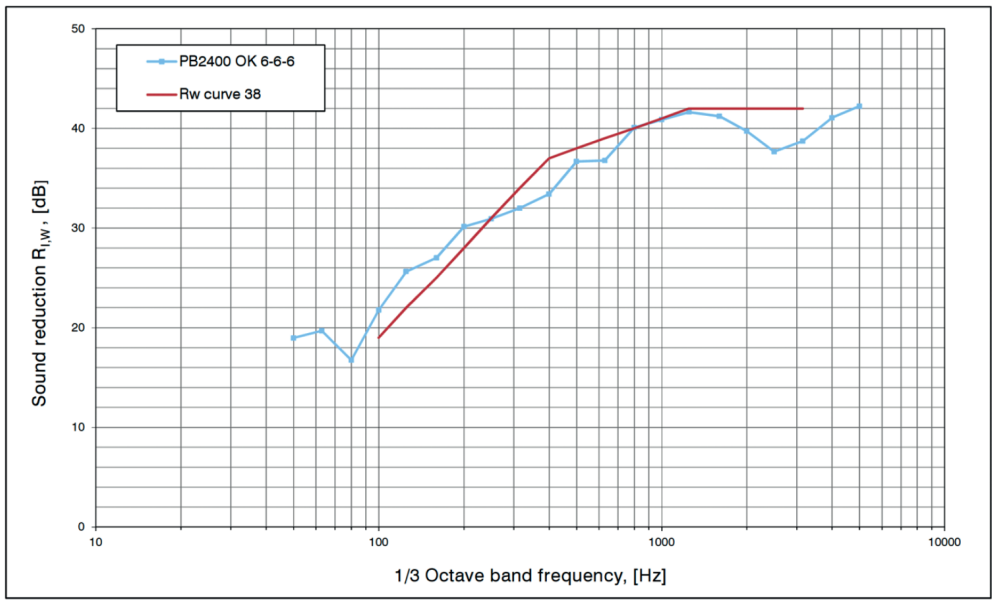
/ DrumAcoustic 2150						
Properties	**Standard**	**Unit**	**Values**			
Nominal Thickness	[]	mm	12	18	22	26
Composition	[]	mm	4-4-4	6-6-6	8-6-8	10-6-10
Surface weight	[]	Kg/m2	12.8	21.2	23.6	26.0
Okoume Plywood Bonding quality	EN 314-2	Class	3	3	3	3
Airborne sound Insulation	ISO 717-1	dB	35	38	38	37



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
20.6	20.8	17.8	20.9	20.2	24.9	25.5	25.7	26.6	28.5	31.2	31.5	35.0	36.4	37.5	38.1	39.0	37.9	36.8	35.4	35.3

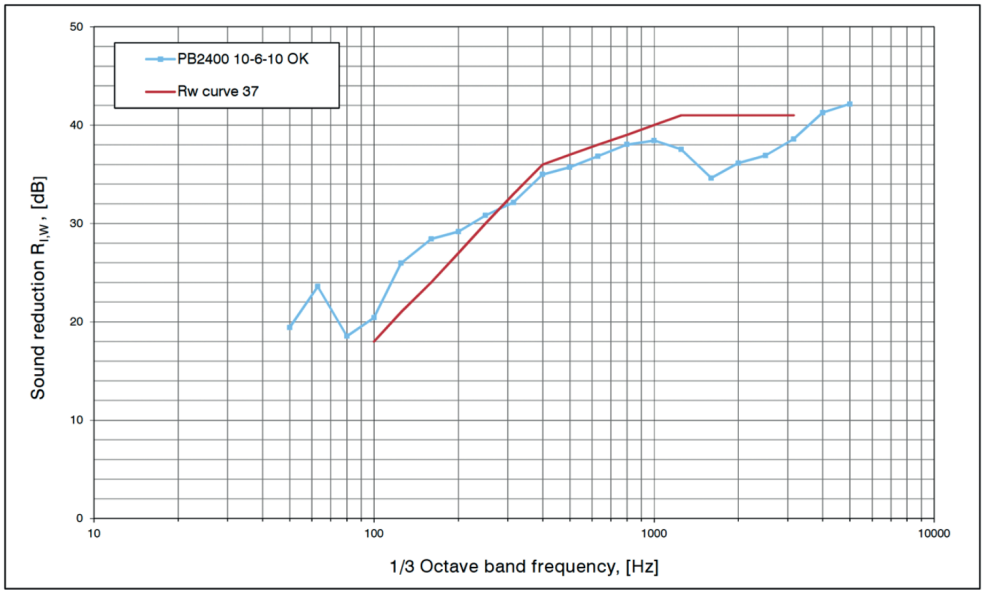
Reduction, [dB]



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
19.0	19.7	16.8	21.8	25.6	27.0	30.1	30.9	32.0	33.4	36.7	36.8	40.1	40.9	41.6	41.2	39.7	37.7	38.7	41.1	42.2

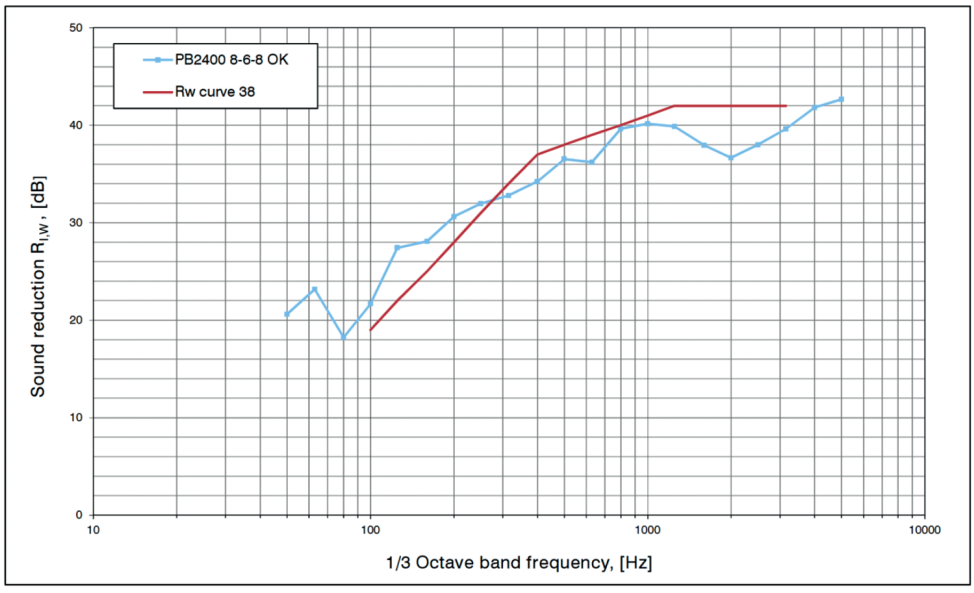
Reduction, [dB]



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
19.4	23.6	18.5	20.4	26.0	28.4	29.2	30.8	32.1	35.0	35.7	36.8	38.0	38.4	37.5	34.6	36.1	36.9	38.6	41.3	42.2

Reduction, [dB]

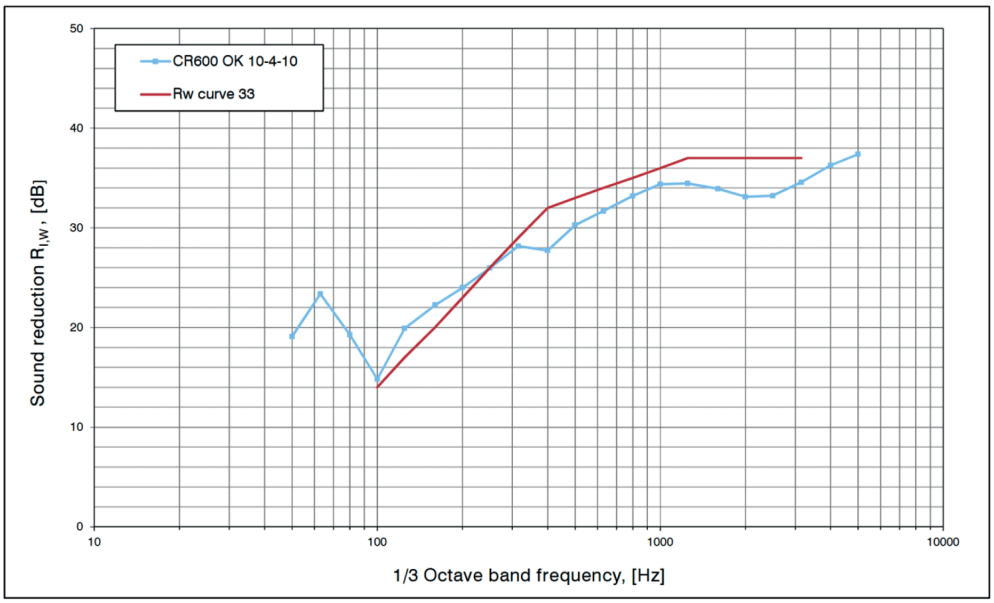


Frequency, f [Hz] 1/3 Octave Band

50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
20.6	23.2	18.2	21.7	27.4	28.1	30.6	32.0	32.8	34.2	36.5	36.2	39.6	40.2	39.9	37.9	36.7	38.0	39.6	41.8	42.7

Reduction, [dB]

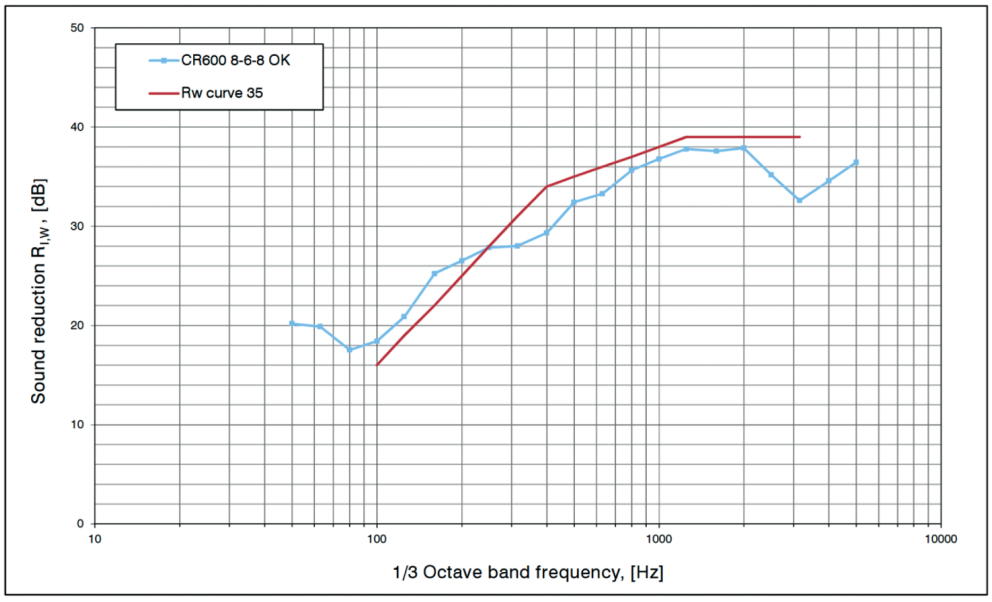
/ DrumAcoustic 1050						
Properties	**Standard**	**Unit**	**Values**			
Nominal Thickness	[]	mm	12	18	22	26
Composition	[]	mm	4-4-4	6-6-6	8-6-8	10-6-10
Surface weight	[]	Kg/m2	8.0	10.5	12.5	14,5
Okoume Plywood Bonding quality	EN 314-2	Class	3	3	3	3
Airborne sound Insulation	ISO 717-1	dB	31	34	34	34



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
19.1	23.4	19.3	14.8	19.9	22.3	24.0	26.0	28.2	27.7	30.3	31.7	33.2	34.4	34.5	33.9	33.1	33.2	34.6	36.3	37.4

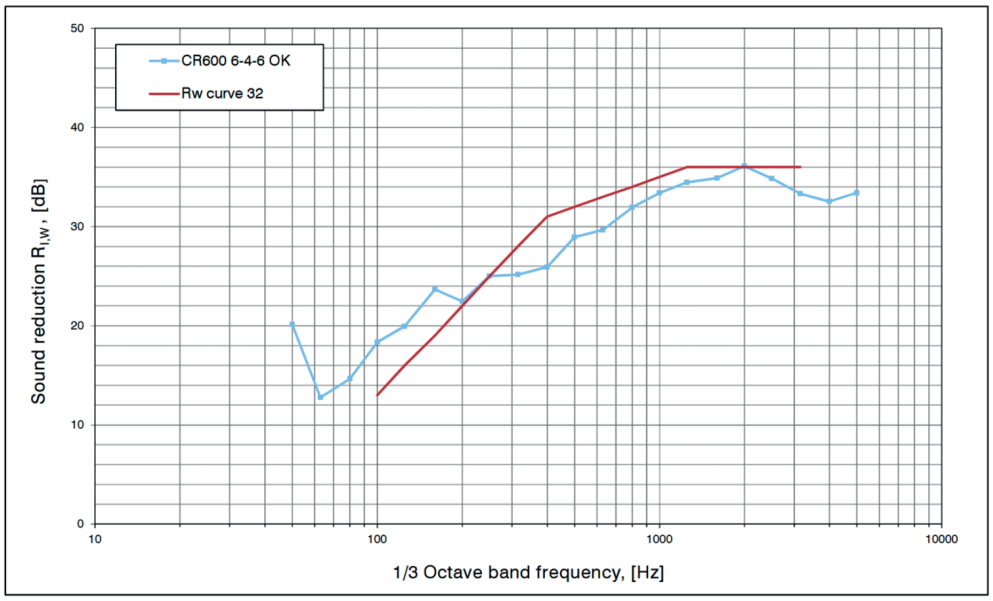
Reduction, [dB]



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
20.2	19.9	17.5	18.4	20.9	25.2	26.5	27.9	28.0	29.3	32.4	33.3	35.6	36.8	37.8	37.6	37.9	35.2	32.6	34.6	36.4

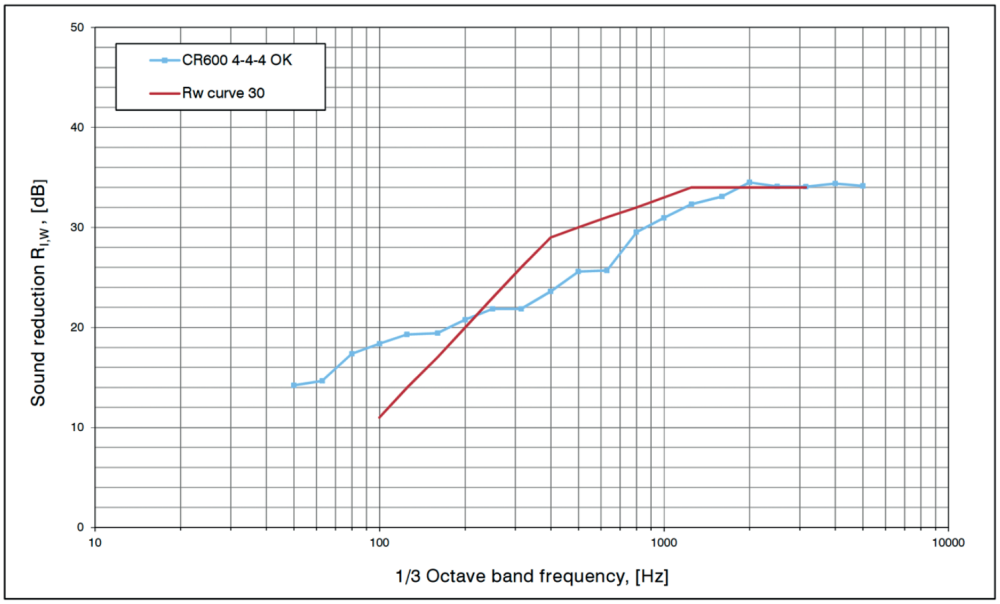
Reduction, [dB]



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
20.2	12.8	14.7	18.3	19.9	23.7	22.5	25.0	25.2	25.9	28.9	29.7	31.9	33.4	34.5	34.9	36.1	34.9	33.3	32.5	33.4

Reduction, [dB]

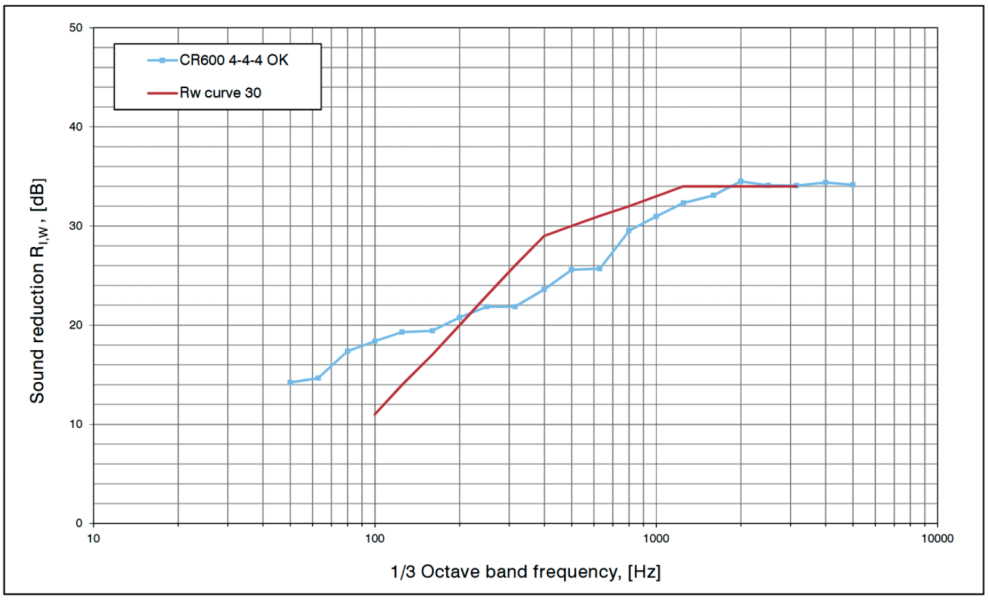


Frequency, f [Hz] 1/3 Octave Band

50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
14.2	14.7	17.4	18.4	19.3	19.4	20.8	21.9	21.9	23.6	25.6	25.7	29.5	31.0	32.3	33.1	34.5	34.1	34.1	34.4	34.2

Reduction, [dB]

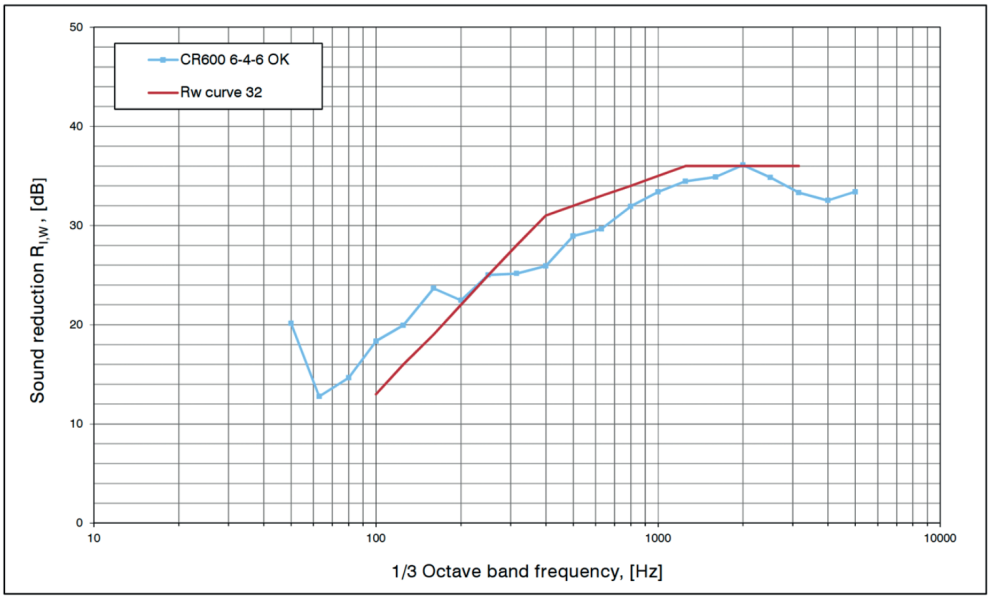
/ DrumAcoustic 550						
Properties	**Standard**	**Unit**	**Values**			
Nominal Thickness	[]	mm	12	18	22	26
Composition	[]	mm	4-4-4	6-6-6	8-6-8	10-6-10
Surface weight	[]	Kg/m2	7.0	10.5	12.9	15,5
Okoume Plywood Bonding quality	EN 314-2	Class	3	3	3	3
Airborne sound Insulation	ISO 717-1	dB	30	34	35	35



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
14.2	14.7	17.4	18.4	19.3	19.4	20.8	21.9	21.9	23.6	25.6	25.7	29.5	31.0	32.3	33.1	34.5	34.1	34.1	34.4	34.2

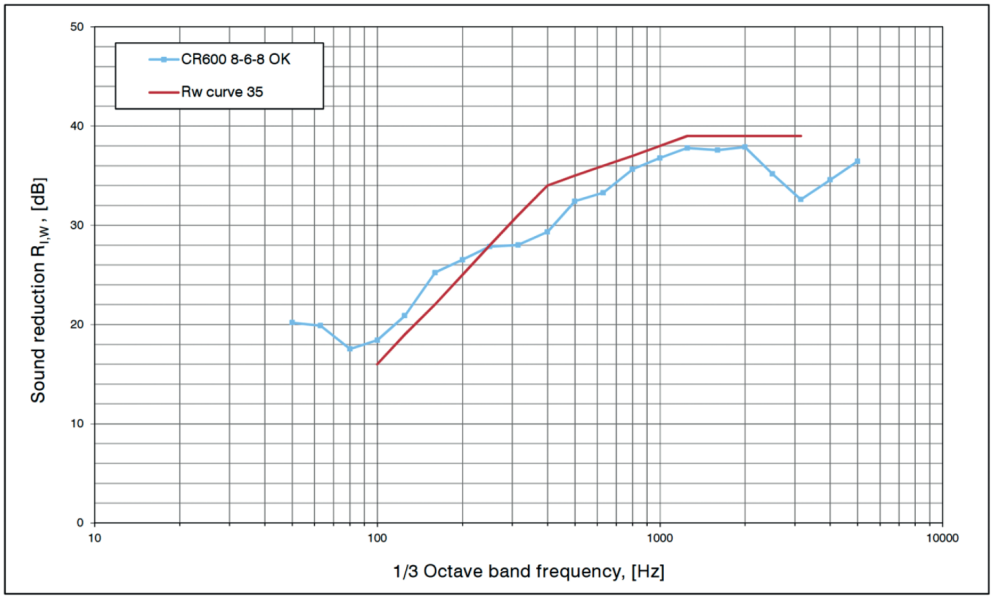
Reduction, [dB]



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
20.2	12.8	14.7	18.3	19.9	23.7	22.5	25.0	25.2	25.9	28.9	29.7	31.9	33.4	34.5	34.9	36.1	34.9	33.3	32.5	33.4

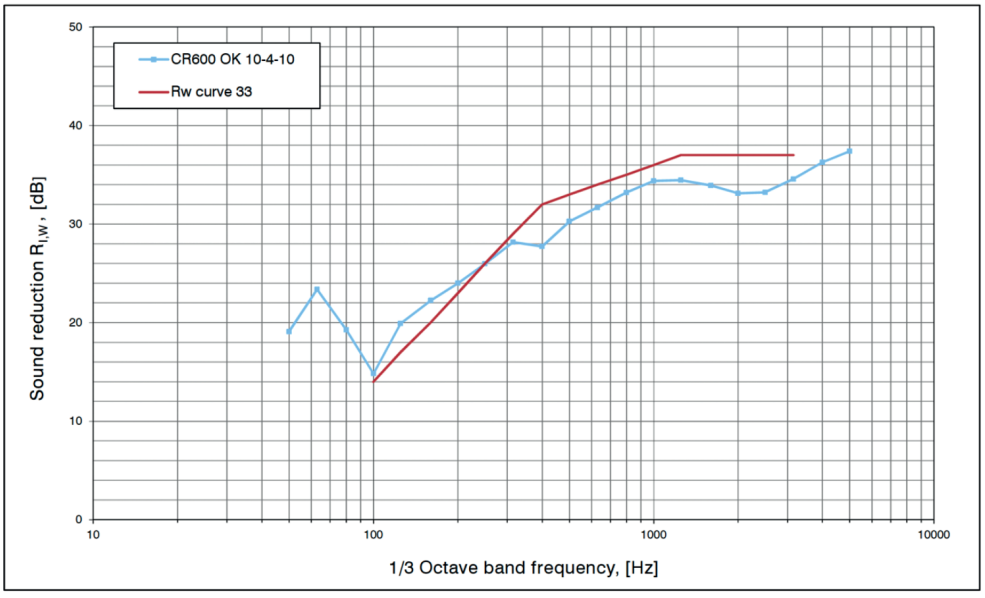
Reduction, [dB]



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
20.2	19.9	17.5	18.4	20.9	25.2	26.5	27.9	28.0	29.3	32.4	33.3	35.6	36.8	37.8	37.6	37.9	35.2	32.6	34.6	36.4

Reduction, [dB]

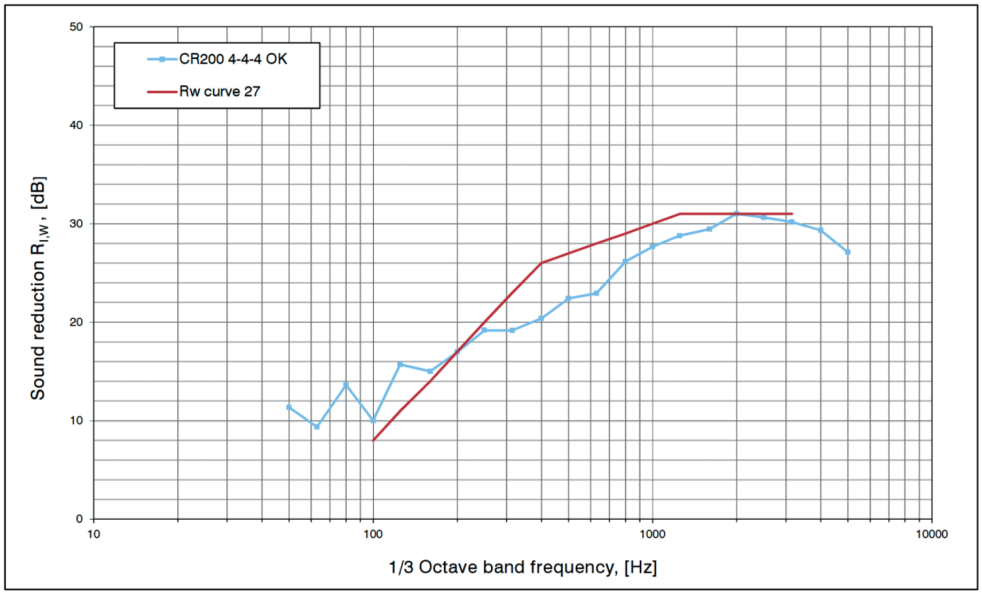


Frequency, f [Hz] 1/3 Octave Band

50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
19.1	23.4	19.3	14.8	19.9	22.3	24.0	26.0	28.2	27.7	30.3	31.7	33.2	34.4	34.5	33.9	33.1	33.2	34.6	36.3	37.4

Reduction, [dB]

/ DrumAcoustic 225						
Properties	**Standard**	**Unit**	**Values**			
Nominal Thickness	[]	mm	12	18	22	26
Composition	[]	mm	4-4-4	6-6-6	8-6-8	10-6-10
Surface weight	[]	Kg/m2	5.5	8.0	10.0	12.0
Okoume Plywood Bonding quality	EN 314-2	Class	3	3	3	3
Airborne sound Insulation	ISO 717-1	dB	27	27	28	28



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
11.4	9.4	13.6	10.0	15.7	15.0	17.0	19.2	19.2	20.4	22.4	22.9	26.2	27.7	28.8	29.5	31.0	30.7	30.2	29.3	27.1

Reduction, [dB]

DRUMACOUSTIC
GALLERY