



## Pilkington **Optiphon™** - acoustic performance data

Glass types	Acoustic performance data [dB]			Total thickness [mm]
	R <sub>w</sub>	C	C <sub>tr</sub>	
<b>Single glazing</b>				
Pilkington <b>Optiphon™</b> 6,8	36	-1	-4	6.8
Pilkington <b>Optiphon™</b> 8,8	37	0	-2	8.8
Pilkington <b>Optiphon™</b> 10,8	38	-1	-3	10.8
Pilkington <b>Optiphon™</b> 12,8	40	-1	-3	12.8
Pilkington <b>Optiphon™</b> 16,8	41	-1	-3	16.8
Pilkington <b>Optiphon™</b> 20,8	42	-1	-3	20.8
Pilkington <b>Optiphon™</b> 24,8	43	-1	-3	24.8
<b>Double insulating glass units</b>				
4 mm - 16 mm - Pilkington <b>Optiphon™</b> 6,8	36	-2	-6	26.8
4 mm - 16 mm - Pilkington <b>Optiphon™</b> 8,8	39	-3	-7	28.8
6 mm - 16 mm - Pilkington <b>Optiphon™</b> 6,8	40	-2	-6	28.8
6 mm - 16 mm - Pilkington <b>Optiphon™</b> 8,8	41	-2	-6	30.8
8 mm - 16 mm - Pilkington <b>Optiphon™</b> 6,8	42	-3	-7	30.8
8 mm - 16 mm - Pilkington <b>Optiphon™</b> 8,8	42	-3	-8	32.8
8 mm - 16 mm - Pilkington <b>Optiphon™</b> 10,8	43	-2	-6	34.8
8 mm - 16 mm - Pilkington <b>Optiphon™</b> 12,8	43	-2	-6	36.8
10 mm - 16 mm - Pilkington <b>Optiphon™</b> 8,8	44	-2	-6	34.8
10 mm - 18 mm - Pilkington <b>Optiphon™</b> 8,8	43	-2	-6	36.8
10 mm - 20 mm - Pilkington <b>Optiphon™</b> 8,8	46	-2	-6	38.8
10 mm - 16 mm - Pilkington <b>Optiphon™</b> 12,8	44	-1	-5	36.8
Pilkington <b>Optilam™</b> 9,5 - 20 mm - Pilkington <b>Optiphon™</b> 8,8	43	-3	-7	38.3
Pilkington <b>Optilam™</b> 14,8 - 20 mm - Pilkington <b>Optiphon™</b> 14,8	47	-1	-3	49.6
Pilkington <b>Optiphon™</b> 8,8 - 16 mm - Pilkington <b>Optiphon™</b> 12,8	48	-2	-7	37.6
Pilkington <b>Optiphon™</b> 8,8 - 20 mm - Pilkington <b>Optiphon™</b> 12,8	49	-2	-7	41.6
Pilkington <b>Optiphon™</b> 10,8 - 24 mm - Pilkington <b>Optiphon™</b> 16,8	52	-2	-6	51.6
Pilkington <b>Optiphon™</b> 12,8 - 16 mm - Pilkington <b>Optiphon™</b> 14,8	51	-2	-6	43.6
Pilkington <b>Optiphon™</b> 12,8 - 16 mm - Pilkington <b>Optiphon™</b> 16,8	51	-1	-6	45.6
Pilkington <b>Optiphon™</b> 12,8 - 20 mm - Pilkington <b>Optiphon™</b> 16,8	51	-1	-4	49.6
<b>Triple insulating glass units</b>				
6 mm - 12 mm - 4 mm - 12 mm - Pilkington <b>Optiphon™</b> 8,8	42	-3	-8	42.8
6 mm - 14 mm - 4 mm - 14 mm - Pilkington <b>Optiphon™</b> 8,8	43	-2	-7	44.8
6 mm - 16 mm - 4 mm - 16 mm - Pilkington <b>Optiphon™</b> 8,8	42	-2	-7	50.8
8 mm - 12 mm - 4 mm - 12 mm - Pilkington <b>Optiphon™</b> 8,8	43	-2	-7	44.8
8 mm - 16 mm - 4 mm - 16 mm - Pilkington <b>Optiphon™</b> 8,8	45	-3	-7	52.8
8 mm - 12 mm - 6 mm - 12 mm - Pilkington <b>Optiphon™</b> 10,8	44	-2	-7	48.8
8 mm - 12 mm - 6 mm - 12 mm - Pilkington <b>Optiphon™</b> 12,8	45	-1	-5	50.8
8 mm - 14 mm - 6 mm - 14 mm - Pilkington <b>Optiphon™</b> 12,8	46	-2	-6	54.8
10 mm - 14 mm - 6 mm - 14 mm - Pilkington <b>Optiphon™</b> 12,8	46	-1	-3	56.8
Pilkington <b>Optiphon™</b> 8,8 - 12 mm - 4 mm - 12 mm - Pilkington <b>Optiphon™</b> 8,8	46	-2	-7	45.6
Pilkington <b>Optiphon™</b> 8,8 - 12 mm - 6 mm - 12 mm - Pilkington <b>Optiphon™</b> 10,8	47	-2	-7	49.6
Pilkington <b>Optiphon™</b> 8,8 - 12 mm - 6 mm - 12 mm - Pilkington <b>Optiphon™</b> 12,8	49	-1	-7	51.6
Pilkington <b>Optiphon™</b> 8,8 - 14 mm - 6 mm - 12 mm - Pilkington <b>Optiphon™</b> 12,8	49	-1	-6	53.6
Pilkington <b>Optiphon™</b> 8,8 - 14 mm - 6 mm - 14 mm - Pilkington <b>Optiphon™</b> 12,8	50	-2	-7	55.6

R<sub>w</sub> (C;C<sub>tr</sub>) are determined in accordance with EN 717-1.

Insulating glass units filled with argon (90%).

To calculate other performance data please use Pilkington Spectrum online calculator at <https://spectrum.pilkington.com> or Pilkington Spectrum mobile app.

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April 2020