



Pilkington **Optiphon™** – acoustic performance data

Glass types	Acoustic performance data [dB]			Total thickness [mm]
	R _w	C	C _{tr}	
Single glazing				
Pilkington Optiphon ™ 6,8	36	-1	-4	6,8
Pilkington Optiphon ™ 8,8	37	0	-2	8,8
Pilkington Optiphon ™ 10,8	38	-1	-3	10,8
Pilkington Optiphon ™ 12,8	40	-1	-3	12,8
Pilkington Optiphon ™ 16,8	41	-1	-3	16,8
Pilkington Optiphon ™ 20,8	42	-1	-3	20,8
Pilkington Optiphon ™ 24,8	43	-1	-3	24,8
Double insulating glass units				
4 mm - 16 mm - Pilkington Optiphon ™ 6,8	36	-2	-6	26,8
4 mm - 16 mm - Pilkington Optiphon ™ 8,8	39	-3	-7	28,8
6 mm - 16 mm - Pilkington Optiphon ™ 6,8	40	-2	-6	28,8
6 mm - 16 mm - Pilkington Optiphon ™ 8,8	41	-2	-6	30,8
8 mm - 16 mm - Pilkington Optiphon ™ 6,8	42	-3	-7	30,8
8 mm - 16 mm - Pilkington Optiphon ™ 8,8	42	-3	-8	32,8
8 mm - 16 mm - Pilkington Optiphon ™ 10,8	43	-2	-6	34,8
8 mm - 16 mm - Pilkington Optiphon ™ 12,8	43	-2	-6	36,8
10 mm - 16 mm - Pilkington Optiphon ™ 8,8	44	-2	-6	34,8
10 mm - 18 mm - Pilkington Optiphon ™ 8,8	43	-2	-6	36,8
10 mm - 20 mm - Pilkington Optiphon ™ 8,8	46	-2	-6	38,8
10 mm - 16 mm - Pilkington Optiphon ™ 12,8	44	-1	-5	36,8
Pilkington Optilam ™ 9,5 - 20 mm - Pilkington Optiphon ™ 8,8	43	-3	-7	38,3
Pilkington Optilam ™ 14,8 - 20 mm - Pilkington Optiphon ™ 14,8	47	-1	-3	49,6
Pilkington Optiphon ™ 8,8 - 16 mm - Pilkington Optiphon ™ 12,8	48	-2	-7	37,6
Pilkington Optiphon ™ 8,8 - 20 mm - Pilkington Optiphon ™ 12,8	49	-2	-7	41,6
Pilkington Optiphon ™ 10,8 - 24 mm - Pilkington Optiphon ™ 16,8	52	-2	-6	51,6
Pilkington Optiphon ™ 12,8 - 16 mm - Pilkington Optiphon ™ 14,8	51	-2	-6	43,6
Pilkington Optiphon ™ 12,8 - 16 mm - Pilkington Optiphon ™ 16,8	51	-1	-6	45,6
Pilkington Optiphon ™ 12,8 - 20 mm - Pilkington Optiphon ™ 16,8	51	-1	-4	49,6
Triple insulating glass units				
6 mm - 12 mm - 4 mm - 12 mm - Pilkington Optiphon ™ 8,8	42	-3	-8	42,8
6 mm - 14 mm - 4 mm - 14 mm - Pilkington Optiphon ™ 8,8	43	-2	-7	44,8
6 mm - 16 mm - 4 mm - 16 mm - Pilkington Optiphon ™ 8,8	42	-2	-7	50,8
8 mm - 12 mm - 4 mm - 12 mm - Pilkington Optiphon ™ 8,8	43	-2	-7	44,8
8 mm - 16 mm - 4 mm - 16 mm - Pilkington Optiphon ™ 8,8	45	-3	-7	52,8
8 mm - 12 mm - 6 mm - 12 mm - Pilkington Optiphon ™ 10,8	44	-2	-7	48,8
8 mm - 12 mm - 6 mm - 12 mm - Pilkington Optiphon ™ 12,8	45	-1	-5	50,8
8 mm - 14 mm - 6 mm - 14 mm - Pilkington Optiphon ™ 12,8	46	-2	-6	54,8
10 mm - 14 mm - 6 mm - 14 mm - Pilkington Optiphon ™ 12,8	46	-1	-3	56,8
Pilkington Optiphon ™ 8,8 - 12 mm - 4 mm - 12 mm - Pilkington Optiphon ™ 8,8	46	-2	-7	45,6
Pilkington Optiphon ™ 8,8 - 12 mm - 6 mm - 12 mm - Pilkington Optiphon ™ 10,8	47	-2	-7	49,6
Pilkington Optiphon ™ 8,8 - 12 mm - 6 mm - 12 mm - Pilkington Optiphon ™ 12,8	49	-1	-7	51,6
Pilkington Optiphon ™ 8,8 - 14 mm - 6 mm - 12 mm - Pilkington Optiphon ™ 12,8	49	-1	-6	53,6
Pilkington Optiphon ™ 8,8 - 14 mm - 6 mm - 14 mm - Pilkington Optiphon ™ 12,8	50	-2	-7	55,6

R_w (C;C_{tr}) 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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The Declaration of Performance for each product, including declared values, can be found at www.pilkington.com/CE



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