

Hormann Performance Characteristics to the European Standard 13241-1

Thermal insulation

Acoustic insulation

Tightness and Sealing

Wind pressure

At Hörmann the four performance characteristics relevant for garage doors are already tested and certified.

These are important for your choice of door over and above the mandatory safety requirements.

For example: thermal and sound insulation for the garage as a work room, sealing on the weather side and resistance to wind pressure in regions exposed to high winds.



Thermal insulation

Double-skinned steel doors 42/20 mm		
Section		U = 1.00 W/m ² K
Door leaf		U = 1.36 W/m ² K
Fitted door ¹⁾		U = 1.80 W/m ² K
Double-skinned steel doors 42 mm		
Section		U = 0.50 W/m ² K
Door leaf		U = 0.90 W/m ² K
Fitted door ¹⁾		U = 1.30 W/m ² K
Single-skinned steel doors		
Door leaf		U = 6.00 W/m ² K
Fitted door ¹⁾		U = 6.40 W/m ² K
Doors with solid timber infill		
Door leaf		U = 2.50 W/m ² K
Fitted door ¹⁾		U = 2.90 W/m ² K

Acoustic insulation

Single-skinned steel doors	R = approx. 20 dB
Double-skinned steel doors 42/20 mm	R = approx. 21 dB
Double-skinned steel doors 42 mm	R = approx. 22 dB

Tightness and sealing

Air	Single-skinned steel doors	class 0*
	Double-skinned steel doors, ribbed (not L-ribbed)	class 2
	Double-skinned steel doors, panelled and L-ribbed	class 3
	Doors with solid timber infill	class 0*
Water	Single-skinned steel doors	class 0*
	Double-skinned steel doors	class 3**
	Doors with solid timber infill	class 0*

* Doors with ventilation slots, on request classes 2-3

** up to 70 Pa water pressure

Wind pressure

Single-skinned steel doors	class 2
Double-skinned steel doors 42/20 mm	class 3
Double-skinned steel doors 42 mm	class 3
Doors with solid timber infill	class 3
Higher wind pressure classes on request	

¹⁾ The U-values apply to fitted doors with a door area of 10 sq.m. without glazing.

Assured Quality

And long-term protection for an enduring appearance

Hörmann can prove that its garage doors feature the performance characteristics required by the European Standard 13241-1. Our tested and certified values provide convincing proof in black and white.

We invite you to make a comparison!