

LASTING VALUES.

Its technical values reveal how much a window is 'worth'. We have compiled the excellent thermal insulation values of GAULHOFER's product lines for you in a clearly arranged fashion. You can count on GAULHOFER!

Thermal insulation U_w and sound insulation R_w with select thermal insulation glass



GAULHOFER WINDOW SYSTEMS		UPVC / UPVC-ALUMINIUM												
		ERGOLINE-S			ENERGYLINE-S			ENERGYLINE-E			ENERGYLINE-P			
INSTALLATION DEPTHS		70/76			85/91			85/91			85/91			
2 panes	Thermal insulation glass		U_w value			U_w value			U_w value			U_w value		
	Type of glass	U_g value:	ALU	TS	R_w	TS	TSP	R_w	TS	TSP	R_w	TS	TSP	R_w
	GM11	1.1	1.3	1.2	42	1.2	1.2	44	1.2	1.1	44	-	-	-
	GM10	1.0	1.2	1.1	42	1.2	1.1	43	1.1	1.1	43	-	-	-
3 panes	GM07	0.7	0.99	0.92	38	0.88	0.87	45	0.87	0.85	46	0.81	0.79	46
	GM06	0.6	0.93	0.85	33	0.81	0.80	45	0.80	0.78	46	0.75	0.72	46
	GM05	0.5	0.86	0.78	38	0.74	0.73	45	0.73	0.71	46	0.68	0.66	46
	GM04	0.4	-	-	-	-	-	-	0.67	0.65	43	0.61	0.59	43
Glazing technology		Glass-sash glued				PowerBond glass-sash bonding								
Standard spacers		Aluminium				Thermostop®								
optional spacers		Thermostop®				Thermostop® Plus								
Aluminium shell designs		PURE				PURE, SOFT, PLANE								

U values calculated in accordance with EN 10077-1, single-sash window, element size 1230 x 1480 mm, standard white profile. Other sizes and versions (e.g. structural and functional glass, installed bars, thresholds, foiled uPVC) will produce different U_w values.

Use of additional reinforcements in the blind frame and sash depending on respective requirements such as type size and static requirements.

0.68 = U_w value with standard glazing

0.59 = optimum U_w value

U_g , U_w expressed in W/m^2K

ALU = ALUMINIUM spacers

TS = THERMOSTOP® spacers

TSP = THERMOSTOP® PLUS spacer

R_w = optimum sound insulation value in dB

Further thermal insulation, sound insulation, sun protection and functional glasses (TSG, LSG) available. Subject to technical modifications, mistakes and printing errors.

The lower a window's thermal insulation value U_w the lower its heat loss through the element. This is why GAULHOFER energy saver windows guarantee transparent customer benefits, clearly quantifiable in Cents and Euros saved on costly heating energy – for a window's life time!



WOOD					WOOD-ALUMINIUM						
NATURELINE			NATURELINE		FUSIONLINE			FUSIONLINE		INLINE	
78			92		94			108		91	
U_w value		R_w	U_w value		R_w	U_w value		R_w	U_w value		R_w
TS	TSP		TS	TPS		TS	TSP		TS	TSP	
1.2	1.2	45	-	-	-	1.2	1.2	45	-	-	-
1.1	1.1	42	-	-	-	1.1	1.1	42	-	-	-
0.91	0.90	42	0.88	0.86	45	0.92	0.90	42	0.89	0.85	45
0.84	0.83	42	0.82	0.79	48	0.85	0.83	42	0.82	0.78	47
0.78	0.76	41	0.75	0.72	45	0.78	0.76	41	0.75	0.72	45
0.71	0.70	39	0.68	0.66	42	0.72	0.70	39	0.69	0.65	42
glazing blocks, wet sealing					glazing blocks, wet sealing					glued, wet sealing	
Thermostop®											
Thermostop® Plus											
-					PURE, SOFT, PLANE					SLIM	

U values calculated in accordance with EN 10077-1, single-sash window, element size 1230 x 1480 mm, standard version spruce. Other sizes and versions (e.g. structural and functional glass, installed bars, thresholds, foiled uPVC) will produce different U_w values.



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