



Calculation based on ISO 15099

Product name: Kohltech CPVC Outswing Transom				Center-of-glass properties				
ASHRAE/IECC /DOE North American Climate Zone	South-facing	North, East, West - facing			Kohltech 3mm8071 surfaces 3 & 5, Arg95, 1"OA No Grids			
Climate specific recommendations:					Whole-window installed U-value	<u>Ucog-Value</u>		
			W/m2K	BTU/hr.ft2.F	SHGC	BTU/hr.ft2.F		
						W/m2K		
8			1.16	0.20	0.611	1.005	0.177	
7			1.17	0.21	0.611	1.015	0.179	
6			1.18	0.21	0.611	1.028	0.181	
5			1.18	0.21	0.611	1.031	0.182	
4			1.19	0.21	0.611	1.037	0.183	
Marine North			1.19	0.21	0.611	1.041	0.183	
Marine South			1.20	0.21	0.611	1.048	0.185	
3			1.19	0.21	0.611	1.044	0.184	
2 West			1.20	0.21	0.611	1.052	0.185	
2 East			1.20	0.21	0.611	1.052	0.185	
Kohltech CPVC Outswing Transom Super Spacer Premium Enhanced	FRAME				Psi-spacer		Psi-opaque	
	Frame height		U-frame		Ψ		W/mK	
	mm	in	W/m2K	BTU/hr.ft2.F	W/mK	BTU/hr.ft.F		
	Head	34	1.36	1.20	0.21	0.019	0.011	0.063
	Sill	34	1.36	1.20	0.21	0.019	0.011	BTU/hr.ft.F
left jamb	34	1.36	1.28	0.22	0.018	0.011	0.036	
right jamb	34	1.36	1.28	0.22	0.018	0.011	Grade A+	


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Climate specific recommendations:					Whole-window installed U-value		Ucog-Value	
			W/m2K	BTU/hr.ft2.F	SHGC	BTU/hr.ft2.F		
						W/m2K		
8			1.16	0.20	0.540	1.005	0.177	
7			1.17	0.21	0.540	1.015	0.179	
6			1.18	0.21	0.540	1.028	0.181	
5			1.18	0.21	0.540	1.031	0.182	
4			1.19	0.21	0.540	1.037	0.183	
Marine North			1.19	0.21	0.540	1.041	0.183	
Marine South			1.20	0.21	0.540	1.048	0.185	
3			1.19	0.21	0.540	1.044	0.184	
2 West			1.20	0.21	0.540	1.052	0.185	
2 East			1.20	0.21	0.540	1.052	0.185	
Kohltech CPVC Outswing Transom Super Spacer Premium Enhanced		FRAME				Psi-spacer		Psi-opaque
		Frame height		U-frame		□		W/mK
mm	in	W/m2K	BTU/hr.ft2.F	W/mK	BTU/hr.ft.F			
Head	34	1.36	1.20	0.21	0.019	0.011	0.063	
Sill	34	1.36	1.20	0.21	0.019	0.011	BTU/hr.ft.F	
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Climate specific recommendations:					Whole-window installed U-value	Ucog-Value		
			W/m2K	BTU/hr.ft2.F	SHGC	W/m2K	BTU/hr.ft2.F	
8			1.22	0.21	0.540	1.005	0.177	
7			1.23	0.22	0.540	1.015	0.179	
6			1.24	0.22	0.540	1.028	0.181	
5			1.24	0.22	0.540	1.031	0.182	
4			1.25	0.22	0.540	1.037	0.183	
Marine North			1.25	0.22	0.540	1.041	0.183	
Marine South			1.25	0.22	0.540	1.048	0.185	
3			1.25	0.22	0.540	1.044	0.184	
2 West			1.26	0.22	0.540	1.052	0.185	
2 East			1.26	0.22	0.540	1.052	0.185	
Kohltech CPVC Outswing Transom Super Spacer Premium Enhanced		FRAME				Psi-spacer		Psi-opaque
		Frame height		U-frame		□		W/mK
mm	in	W/m2K	BTU/hr.ft2.F	W/mK	BTU/hr.ft.F	BTU/hr.ft.F		
Head	34	1.36	1.20	0.21	0.019	0.011	0.063	
Sill	34	1.36	1.20	0.21	0.019	0.011	BTU/hr.ft.F	
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Climate specific recommendations:				Whole-window installed U-value		Ucog-Value	
		W/m2K	BTU/hr.ft2.F	SHGC	W/m2K	BTU/hr.ft2.F	
8		1.16	0.20	0.473	1.005	0.177	
7		1.17	0.21	0.473	1.015	0.179	
6		1.18	0.21	0.473	1.028	0.181	
5		1.18	0.21	0.473	1.031	0.182	
4		1.19	0.21	0.473	1.037	0.183	
Marine North		1.19	0.21	0.473	1.041	0.183	
Marine South	☑	1.20	0.21	0.473	1.048	0.185	
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2 West		1.20	0.21	0.473	1.052	0.185	
2 East		1.20	0.21	0.473	1.052	0.185	
Kohltech CPVC Outswing Transom Super Spacer Premium Enhanced	FRAME				Psi-spacer		Psi-opaque
	Frame height		U-frame		□		W/mK
mm	in	W/m2K	BTU/hr.ft2.F	W/mK	BTU/hr.ft.F		
Head	34	1.36	1.20	0.21	0.019	0.011	0.063
Sill	34	1.36	1.20	0.21	0.019	0.011	BTU/hr.ft.F
left jamb	34	1.36	1.28	0.22	0.018	0.011	0.036
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5			1.24	0.22	0.473	1.031	0.182			
4			1.25	0.22	0.473	1.037	0.183			
Marine North			1.25	0.22	0.473	1.041	0.183			
Marine South	<input checked="" type="checkbox"/>		1.25	0.22	0.473	1.048	0.185			
3			1.25	0.22	0.473	1.044	0.184			
2 West			1.26	0.22	0.473	1.052	0.185			
2 East			1.26	0.22	0.473	1.052	0.185			
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			Frame height		U-frame		□		W/mK	
			mm	in	W/m2K	BTU/hr.ft2.F	W/mK	BTU/hr.ft.F		
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