



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, 1-3/8"OA No Grids		
Climate specific recommendations:		Whole-window installed U-value				Ucog-Value		
			W/m2K	BTU/hr.ft2.F	SHGC	BTU/hr.ft2.F		
					W/m2K			
8			0.93	0.16	0.613	0.135		
7			0.92	0.16	0.613	0.134		
6			0.92	0.16	0.613	0.134		
5			0.92	0.16	0.613	0.134		
4			0.92	0.16	0.613	0.134		
Marine North	<input checked="" type="checkbox"/>		0.92	0.16	0.613	0.135		
Marine South			0.93	0.16	0.613	0.136		
3			0.92	0.16	0.613	0.135		
2 West			0.93	0.16	0.613	0.137		
2 East			0.93	0.16	0.613	0.137		
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	1.03	0.18	0.018	0.010	0.055
	Sill	34	1.36	1.03	0.18	0.018	0.010	BTU/hr.ft.F
left jamb	34	1.36	1.11	0.20	0.017	0.010	0.032	
right jamb	34	1.36	1.11	0.20	0.017	0.010	Grade A+	


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ASHRAE/IECC /DOE North American Climate Zone	South-facing	North, East, West - facing			Kohltech 3mm8071 surfaces 3 & 5, Arg95, 1-3/8"OA Internal grids < 25.4mm maintain 3mm clearance			
Climate specific recommendations:					Whole-window installed U-value		Ucog-Value	
			W/m2K	BTU/hr.ft2.F	SHGC	BTU/hr.ft2.F		
					W/m2K			
8			0.93	0.16	0.542	0.135		
7			0.92	0.16	0.542	0.134		
6			0.92	0.16	0.542	0.134		
5			0.92	0.16	0.542	0.134		
4			0.92	0.16	0.542	0.134		
Marine North	<input checked="" type="checkbox"/>		0.92	0.16	0.542	0.135		
Marine South			0.93	0.16	0.542	0.136		
3			0.92	0.16	0.542	0.135		
2 West			0.93	0.16	0.542	0.137		
2 East			0.93	0.16	0.542	0.137		
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	1.03	0.18	0.018	0.010	0.055	
Sill	34	1.36	1.03	0.18	0.018	0.010	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			0.98	0.17	0.542	0.769	0.135	
7			0.98	0.17	0.542	0.762	0.134	
6			0.97	0.17	0.542	0.760	0.134	
5			0.98	0.17	0.542	0.760	0.134	
4			0.98	0.17	0.542	0.762	0.134	
Marine North			0.98	0.17	0.542	0.765	0.135	
Marine South			0.98	0.17	0.542	0.770	0.136	
3			0.98	0.17	0.542	0.767	0.135	
2 West			0.99	0.17	0.542	0.779	0.137	
2 East			0.99	0.17	0.542	0.779	0.137	
Kohltech CPVC Outswing Transom Super Spacer Premium Enhanced			FRAME		Psi-spacer		Psi-opaque	
			Frame height		U-frame		□	
mm		in		W/m2K	BTU/hr.ft2.F	W/mK	BTU/hr.ft.F	
Head		34	1.36	1.03	0.18	0.018	0.010	0.055
Sill		34	1.36	1.03	0.18	0.018	0.010	BTU/hr.ft.F
left jamb		34	1.36	1.11	0.20	0.017	0.010	0.032
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Climate specific recommendations:						Whole-window installed U-value	
			W/m2K	BTU/hr.ft2.F	SHGC	W/m2K	BTU/hr.ft2.F
8			0.93	0.16	0.476	0.769	0.135
7			0.92	0.16	0.476	0.762	0.134
6			0.92	0.16	0.476	0.760	0.134
5			0.92	0.16	0.476	0.760	0.134
4			0.92	0.16	0.476	0.762	0.134
Marine North			0.92	0.16	0.476	0.765	0.135
Marine South	✓		0.93	0.16	0.476	0.770	0.136
3	✓		0.92	0.16	0.476	0.767	0.135
2 West			0.93	0.16	0.476	0.779	0.137
2 East			0.93	0.16	0.476	0.779	0.137
Kohltech CPVC Outswing Transom Super Spacer Premium Enhanced			FRAME		Psi-spacer		Psi-opaque
			Frame height		U-frame		□
mm	in	W/m2K	BTU/hr.ft2.F	W/mK	BTU/hr.ft.F	W/mK	
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