



Calculation based on ISO 15099

Product name: <b>Kohltech CPVC Outswing Sidelite</b>				Center-of-glass properties				
ASHRAE/IECC /DOE North American Climate Zone	South-facing	North, East, West - facing			Kohltech 3mm7036 surfaces 2 & 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			1.15	0.20	0.329	0.693	0.122	
7			1.14	0.20	0.329	0.682	0.120	
6			1.14	0.20	0.329	0.676	0.119	
5			1.14	0.20	0.329	0.676	0.119	
4			1.14	0.20	0.329	0.676	0.119	
Marine North			1.14	0.20	0.329	0.677	0.119	
Marine South	<input checked="" type="checkbox"/>		1.14	0.20	0.329	0.680	0.120	
3			1.14	0.20	0.329	0.678	0.119	
2 West			1.15	0.20	0.329	0.686	0.121	
2 East			1.15	0.20	0.329	0.686	0.121	
Kohltech CPVC Outswing Sidelite 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	111	4.37	1.40	0.25	0.017	0.010	0.238	
Sill	116	4.57	2.62	0.46	0.020	0.012	BTU/hr.ft.F	
left jamb	111	4.37	1.52	0.27	0.020	0.012	0.138	
right jamb	111	4.37	1.52	0.27	0.020	0.012	Grade D	


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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			1.15	0.20	0.286	0.693	0.122	
7			1.14	0.20	0.286	0.682	0.120	
6			1.14	0.20	0.286	0.676	0.119	
5			1.14	0.20	0.286	0.676	0.119	
4			1.14	0.20	0.286	0.676	0.119	
Marine North			1.14	0.20	0.286	0.677	0.119	
Marine South	✓	✓	1.14	0.20	0.286	0.680	0.120	
3			1.14	0.20	0.286	0.678	0.119	
2 West			1.15	0.20	0.286	0.686	0.121	
2 East	✓	✓	1.15	0.20	0.286	0.686	0.121	
Kohltech CPVC Outswing Sidelite 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		111	4.37	1.40	0.25	0.017	0.010	0.238
Sill		116	4.57	2.62	0.46	0.020	0.012	BTU/hr.ft.F
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Climate specific recommendations:						Whole-window installed U-value		<b>Ucog-Value</b>
			W/m2K	BTU/hr.ft2.F	<b>SHGC</b>	W/m2K	BTU/hr.ft2.F	
8			1.21	0.21	0.286	0.693	0.122	
7			1.20	0.21	0.286	0.682	0.120	
6			1.20	0.21	0.286	0.676	0.119	
5			1.20	0.21	0.286	0.676	0.119	
4			1.20	0.21	0.286	0.676	0.119	
Marine North			1.20	0.21	0.286	0.677	0.119	
Marine South	✓	✓	1.20	0.21	0.286	0.680	0.120	
3			1.20	0.21	0.286	0.678	0.119	
2 West			1.20	0.21	0.286	0.686	0.121	
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Kohltech CPVC Outswing Sidelite 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	111	4.37	1.40	0.25	0.017	0.010	0.238
	Sill	116	4.57	2.62	0.46	0.020	0.012	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			1.15	0.20	0.246	0.693	0.122
7			1.14	0.20	0.246	0.682	0.120
6			1.14	0.20	0.246	0.676	0.119
5			1.14	0.20	0.246	0.676	0.119
4			1.14	0.20	0.246	0.676	0.119
Marine North			1.14	0.20	0.246	0.677	0.119
Marine South	✓	✓	1.14	0.20	0.246	0.680	0.120
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			Frame height		U-frame		□
mm	in	W/m2K	BTU/hr.ft2.F	W/mK	BTU/hr.ft.F	BTU/hr.ft.F	
Head	111	4.37	1.40	0.25	0.017	0.010	0.238
Sill	116	4.57	2.62	0.46	0.020	0.012	BTU/hr.ft.F
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			Frame height		U-frame		□	W/mK	BTU/hr.ft.F	
			mm	in	W/m2K	BTU/hr.ft2.F				W/mK
			Head	111	4.37	1.40	0.25	0.017	0.010	0.238
			Sill	116	4.57	2.62	0.46	0.020	0.012	BTU/hr.ft.F
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