



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	 <p>Kohltech 3mm7036 surfaces 2 &amp; 5, Arg95, 1"OA No Grids</p>					
<b>Climate specific recommendations:</b>		Whole-window installed U-value					<b>Ucog-Value</b>	
			W/m2K	BTU/hr.ft2.F	SHGC	BTU/hr.ft2.F		
					W/m2K			
8			1.35	0.24	0.330	0.165		
7			1.36	0.24	0.330	0.166		
6			1.36	0.24	0.330	0.168		
5			1.37	0.24	0.330	0.168		
4			1.37	0.24	0.330	0.169		
Marine North			1.37	0.24	0.330	0.170		
Marine South			1.38	0.24	0.330	0.171		
3			1.37	0.24	0.330	0.170		
2 West			1.38	0.24	0.330	0.171		
2 East			1.38	0.24	0.330	0.171		
<b>Kohltech CPVC Outswing Sidelite Super Spacer Premium Enhanced</b>		<b>FRAME</b>			<b>Psi-spacer</b>		<b>Psi-opaque</b>	
		Frame height		U-frame		$\Psi$		
		mm	in	W/m2K	BTU/hr.ft2.F	W/mK	BTU/hr.ft.F	W/mK
Head		111	4.38	1.49	0.26	0.020	0.011	0.252
Sill		116	4.56	2.71	0.48	0.022	0.013	BTU/hr.ft.F
left jamb		111	4.38	1.62	0.29	0.022	0.013	0.146
right jamb		111	4.38	1.62	0.29	0.022	0.013	Grade D


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ASHRAE/IECC /DOE North American Climate Zone	South-facing	North, East, West - facing	 <p>Kohltech 3mm7036 surfaces 2 &amp; 5, Arg95, 1"OA Internal grids &lt; 25.4mm maintain 3mm clearance</p>					
Climate specific recommendations:		Whole-window installed U-value		Ucog-Value				
		W/m2K	BTU/hr.ft2.F	SHGC	W/m2K	BTU/hr.ft2.F		
8		1.35	0.24	0.287	0.936	0.165		
7		1.36	0.24	0.287	0.943	0.166		
6		1.36	0.24	0.287	0.953	0.168		
5		1.37	0.24	0.287	0.956	0.168		
4		1.37	0.24	0.287	0.961	0.169		
Marine North		1.37	0.24	0.287	0.964	0.170		
Marine South		1.38	0.24	0.287	0.969	0.171		
3		1.37	0.24	0.287	0.966	0.170		
2 West		1.38	0.24	0.287	0.971	0.171		
2 East		1.38	0.24	0.287	0.971	0.171		
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	4.38	1.49	0.26	0.020	0.011	0.252
	Sill	116	4.56	2.71	0.48	0.022	0.013	BTU/hr.ft.F
left jamb	111	4.38	1.62	0.29	0.022	0.013	0.146	
right jamb	111	4.38	1.62	0.29	0.022	0.013	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		1.41	0.25	0.287	0.936	0.165	
7		1.41	0.25	0.287	0.943	0.166	
6		1.42	0.25	0.287	0.953	0.168	
5		1.42	0.25	0.287	0.956	0.168	
4		1.43	0.25	0.287	0.961	0.169	
Marine North		1.43	0.25	0.287	0.964	0.170	
Marine South		1.43	0.25	0.287	0.969	0.171	
3		1.43	0.25	0.287	0.966	0.170	
2 West		1.43	0.25	0.287	0.971	0.171	
2 East		1.43	0.25	0.287	0.971	0.171	
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	4.38	1.49	0.26	0.020	0.011	0.252
Sill	116	4.56	2.71	0.48	0.022	0.013	BTU/hr.ft.F
left jamb	111	4.38	1.62	0.29	0.022	0.013	0.146
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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		1.35	0.24	0.246	0.936	0.165	
7		1.36	0.24	0.246	0.943	0.166	
6		1.36	0.24	0.246	0.953	0.168	
5		1.37	0.24	0.246	0.956	0.168	
4		1.37	0.24	0.246	0.961	0.169	
Marine North		1.37	0.24	0.246	0.964	0.170	
Marine South		1.38	0.24	0.246	0.969	0.171	
3		1.37	0.24	0.246	0.966	0.170	
2 West		1.38	0.24	0.246	0.971	0.171	
2 East		1.38	0.24	0.246	0.971	0.171	
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	4.38	1.49	0.26	0.020	0.011	0.252
Sill	116	4.56	2.71	0.48	0.022	0.013	BTU/hr.ft.F
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<b>Climate specific recommendations:</b>		Whole-window installed U-value					<b>Ucog-Value</b>			
			W/m2K	BTU/hr.ft2.F	SHGC	BTU/hr.ft2.F				
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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	4.38	1.49	0.26	0.020	0.011	0.252
			Sill	116	4.56	2.71	0.48	0.022	0.013	BTU/hr.ft.F
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