



Calculation based on ISO 15099

Product name: Kohltech CPVC Outswing Sidelite				Center-of-glass properties				
ASHRAE/IECC /DOE North American Climate Zone	South-facing	North, East, West - facing						
		Whole-window installed U-value		Ucog-Value				
Climate specific recommendations:		W/m2K	BTU/hr.ft2.F	SHGC	W/m2K	BTU/hr.ft2.F		
8		1.20	0.21	0.613	0.769	0.135		
7		1.20	0.21	0.613	0.762	0.134		
6		1.20	0.21	0.613	0.760	0.134		
5		1.20	0.21	0.613	0.760	0.134		
4		1.20	0.21	0.613	0.762	0.134		
Marine North		1.20	0.21	0.613	0.765	0.135		
Marine South		1.20	0.21	0.613	0.770	0.136		
3		1.20	0.21	0.613	0.767	0.135		
2 West		1.21	0.21	0.613	0.779	0.137		
2 East		1.21	0.21	0.613	0.779	0.137		
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	0.019	0.011	BTU/hr.ft.F
left jamb		111	4.37	1.53	0.27	0.020	0.011	0.137
right jamb		111	4.37	1.53	0.27	0.020	0.011	Grade D


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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			1.20	0.21	0.533	0.135		
7			1.20	0.21	0.533	0.134		
6			1.20	0.21	0.533	0.134		
5			1.20	0.21	0.533	0.134		
4			1.20	0.21	0.533	0.134		
Marine North			1.20	0.21	0.533	0.135		
Marine South			1.20	0.21	0.533	0.136		
3			1.20	0.21	0.533	0.135		
2 West			1.21	0.21	0.533	0.137		
2 East			1.21	0.21	0.533	0.137		
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			
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Sill	116	4.57	2.62	0.46	0.019	0.011	BTU/hr.ft.F	
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Kohltech CPVC Outswing Sidelite Super Spacer Premium Enhanced		FRAME		Psi-spacer		Psi-opaque	
		Frame height		U-frame		□	W/mK
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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		1.20	0.21	0.458	0.769	0.135	
7		1.20	0.21	0.458	0.762	0.134	
6		1.20	0.21	0.458	0.760	0.134	
5		1.20	0.21	0.458	0.760	0.134	
4		1.20	0.21	0.458	0.762	0.134	
Marine North		1.20	0.21	0.458	0.765	0.135	
Marine South	☑	1.20	0.21	0.458	0.770	0.136	
3		1.20	0.21	0.458	0.767	0.135	
2 West		1.21	0.21	0.458	0.779	0.137	
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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		
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Sill	116	4.57	2.62	0.46	0.019	0.011	BTU/hr.ft.F
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4			1.25	0.22	0.458	0.762	0.134			
Marine North			1.26	0.22	0.458	0.765	0.135			
Marine South	<input checked="" type="checkbox"/>		1.26	0.22	0.458	0.770	0.136			
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