













Calculation based on ISO 15099

Product name: CPVC_Sidelite		Center-of-glass properties						
ASHRAE/IECC /DOE North American Climate Zone	North, East, West - facing South-facing				Guardian 1.0" OA ClrGuard-Arg95-CG8070#3-Arg95-CG8070#5 No Grids			
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	0.581	0.995	0.175		
7		1.35	0.24	0.581	1.005	0.177		
6		1.36	0.24	0.581	1.017	0.179		
5		1.36	0.24	0.581	1.020	0.180		
4		1.37	0.24	0.581	1.026	0.181		
Marine North		1.37	0.24	0.581	1.030	0.181		
Marine South		1.37	0.24	0.581	1.037	0.183		
3		1.37	0.24	0.581	1.033	0.182		
2 West		1.38	0.24	0.581	1.040	0.183		
2 East		1.38	0.24	0.581	1.040	0.183		
CPVC_Sidelite Premium Plus ZF-S		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	4.35	1.62	0.29	0.019	0.011	0.243	
Sill	147	5.79	1.86	0.33	0.018	0.011	BTU/hr.ft.F	
left jamb	111	4.35	1.62	0.29	0.020	0.011	0.140	
right jamb	111	4.35	1.62	0.29	0.020	0.011	Grade D	


















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Product name: CPVC_Sidelite		Center-of-glass properties						
ASHRAE/IECC /DOE North American Climate Zone	North, East, West - facing			SDL/no Internal grids < 25.4mm				
Climate specific recommendations:		Whole-window installed U-value		<u>Ucog-Value</u>				
		W/m2K	BTU/hr.ft2.F	SHGC	W/m2K	BTU/hr.ft2.F		
8		"	"	"	0.995	0.175		
7		"	"	"	1.005	0.177		
6		"	"	"	1.017	0.179		
5		"	"	"	1.020	0.180		
4		"	"	"	1.026	0.181		
Marine North		"	"	"	1.030	0.181		
Marine South		"	"	"	1.037	0.183		
3		"	"	"	1.033	0.182		
2 West		"	"	"	1.040	0.183		
2 East		"	"	"	1.040	0.183		
CPVC_Sidelite		FRAME				Psi-spacer		Psi-opaque
		Frame height		U-frame		Ψ		W/mK
Premium Plus ZF-S		mm	in	W/m2K	BTU/hr.ft2.F	W/mK	BTU/hr.ft.F	
Head		111	4.35	1.62	0.29	0.019	0.011	0.243
Sill		147	5.79	1.86	0.33	0.018	0.011	BTU/hr.ft.F
left jamb		111	4.35	1.62	0.29	0.020	0.011	0.140
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5		"	"	"	1.020	0.180		
4	 	"	"	"	1.026	0.181		
Marine North	 	"	"	"	1.030	0.181		
Marine South	 	"	"	"	1.037	0.183		
3	 	"	"	"	1.033	0.182		
2 West	 	"	"	"	1.040	0.183		
2 East	 	"	"	"	1.040	0.183		
CPVC_Sidelite Premium Plus ZF-S		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	W/mK		
Head	111	4.35	1.62	0.29	0.019	0.011	0.243	
Sill	147	5.79	1.86	0.33	0.018	0.011	BTU/hr.ft.F	
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CPVC_Sidelite Premium Plus ZF-S		FRAME		Psi-spacer		Psi-opaque
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8		"	"	"	0.995	0.175	
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CPVC_Sidelite Premium Plus ZF-S		FRAME		Psi-spacer		Psi-opaque	
		Frame height		U-frame		Ψ	
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CPVC_Sidelite			FRAME		Psi-spacer		Psi-opaque	
Premium Plus ZF-S			U-frame		Ψ			
			Frame height		W/mK	BTU/hr.ft.F	W/mK	
			mm	in	W/m2K	BTU/hr.ft2.F	BTU/hr.ft.F	
	Head		111	4.35	1.62	0.29	0.019 0.011	0.243
	Sill		147	5.79	1.86	0.33	0.018 0.011	BTU/hr.ft.F
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