



Calculation based on ISO 15099

Product name: <b>Kohltech Supreme T&amp;T Picture Window (Direct Set)</b>		Center-of-glass properties						
ASHRAE/IECC/DOE North American Climate Zone	South-facing	North, East, West - facing	 Kohltech 3mm7036 surfaces 2 & 4, Arg95, 1-3/8"OA 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		0.95	0.17	0.301	0.693	0.122		
7		0.94	0.17	0.301	0.682	0.120		
6		0.93	0.16	0.301	0.676	0.119		
5		0.93	0.16	0.301	0.676	0.119		
4		0.93	0.16	0.301	0.676	0.119		
Marine North		0.93	0.16	0.301	0.677	0.119		
Marine South	✓	0.94	0.17	0.301	0.680	0.120		
3	✓	0.94	0.16	0.301	0.678	0.119		
2 West	✓	0.94	0.17	0.301	0.686	0.121		
2 East	✓	0.94	0.17	0.301	0.686	0.121		
Kohltech Supreme T&T Picture Window (Direct Set) Super Spacer S2 Premium Plus		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	68	2.68	1.41	0.25	0.015	0.009	0.116
	Sill	68	2.68	1.41	0.25	0.015	0.009	BTU/hr.ft.F
	left jamb	68	2.68	1.40	0.25	0.015	0.009	0.067
	right jamb	68	2.68	1.40	0.25	0.015	0.009	Grade B


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ASHRAE/IECC/DOE North American Climate Zone	South-facing	North, East, West - facing			Kohltech 3mm7036 surfaces 2 & 4, 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	W/m2K	BTU/hr.ft2.F		
8		0.95	0.17	0.264	0.693 0.122			
7		0.94	0.17	0.264	0.682 0.120			
6		0.93	0.16	0.264	0.676 0.119			
5		0.93	0.16	0.264	0.676 0.119			
4		0.93	0.16	0.264	0.676 0.119			
Marine North		0.93	0.16	0.264	0.677 0.119			
Marine South	✓	0.94	0.17	0.264	0.680 0.120			
3	✓	0.94	0.16	0.264	0.678 0.119			
2 West	✓	0.94	0.17	0.264	0.686 0.121			
2 East	✓	0.94	0.17	0.264	0.686 0.121			
Kohltech Supreme T&T Picture Window (Direct Set) Super Spacer S2 Premium Plus		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	68	2.68	1.41	0.25	0.015	0.009	0.116
	Sill	68	2.68	1.41	0.25	0.015	0.009	BTU/hr.ft.F
	left jamb	68	2.68	1.40	0.25	0.015	0.009	0.067
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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		1.00	0.18	0.264	0.693 0.122			
7		1.00	0.18	0.264	0.682 0.120			
6		0.99	0.17	0.264	0.676 0.119			
5		0.99	0.17	0.264	0.676 0.119			
4		0.99	0.17	0.264	0.676 0.119			
Marine North		0.99	0.17	0.264	0.677 0.119			
Marine South	✓	0.99	0.18	0.264	0.680 0.120			
3	✓	0.99	0.17	0.264	0.678 0.119			
2 West	✓	1.00	0.18	0.264	0.686 0.121			
2 East	✓	1.00	0.18	0.264	0.686 0.121			
Kohltech Supreme T&T Picture Window (Direct Set) Super Spacer S2 Premium Plus		FRAME		Psi-spacer		Psi-opaque		
		Frame height		U-frame		W/mK	BTU/hr.ft.F	
	mm	in	W/m2K	BTU/hr.ft2.F	W/mK			
	Head	68	2.68	1.41	0.25	0.015	0.009	0.116
	Sill	68	2.68	1.41	0.25	0.015	0.009	BTU/hr.ft.F
	left jamb	68	2.68	1.40	0.25	0.015	0.009	0.067
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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		0.95	0.17	0.230	0.693 0.122			
7		0.94	0.17	0.230	0.682 0.120			
6		0.93	0.16	0.230	0.676 0.119			
5		0.93	0.16	0.230	0.676 0.119			
4		0.93	0.16	0.230	0.676 0.119			
Marine North			0.93	0.16	0.230 0.677 0.119			
Marine South		✓	0.94	0.17	0.230 0.680 0.120			
3		✓	0.94	0.16	0.230 0.678 0.119			
2 West		✓	0.94	0.17	0.230 0.686 0.121			
2 East		✓	0.94	0.17	0.230 0.686 0.121			
Kohltech Supreme T&T Picture Window (Direct Set) Super Spacer S2 Premium Plus		FRAME		Psi-spacer		Psi-opaque		
		Frame height		U-frame		W/mK	BTU/hr.ft.F	
	mm	in	W/m2K	BTU/hr.ft2.F	W/mK			
	Head	68	2.68	1.41	0.25	0.015	0.009	0.116
	Sill	68	2.68	1.41	0.25	0.015	0.009	BTU/hr.ft.F
	left jamb	68	2.68	1.40	0.25	0.015	0.009	0.067
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Kohltech Supreme T&T Picture Window (Direct Set) Super Spacer S2 Premium Plus		FRAME		Psi-spacer		Psi-opaque		
		Frame height		U-frame		W/mK	BTU/hr.ft.F	
		mm	in	W/m2K	BTU/hr.ft2.F			W/mK
Head		68	2.68	1.41	0.25	0.015	0.009	0.116
Sill		68	2.68	1.41	0.25	0.015	0.009	BTU/hr.ft.F
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