



Calculation based on ISO 15099

Product name: Kohltech Supreme T&T Picture Window (Direct Set)		Center-of-glass properties						
ASHRAE/IECC/DOE North American Climate Zone	South-facing	North, East, West - facing	 Kohltech 3mm8071 surfaces 3 & 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	W/m2K	BTU/hr.ft2.F		
8		1.01	0.18	0.613	0.769	0.135		
7		1.00	0.18	0.613	0.762	0.134		
6		1.00	0.18	0.613	0.760	0.134		
5		1.00	0.18	0.613	0.760	0.134		
4		1.01	0.18	0.613	0.762	0.134		
Marine North		1.01	0.18	0.613	0.765	0.135		
Marine South		1.01	0.18	0.613	0.770	0.136		
3		1.01	0.18	0.613	0.767	0.135		
2 West		1.02	0.18	0.613	0.779	0.137		
2 East		1.02	0.18	0.613	0.779	0.137		
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	1.42	0.25	0.014	0.008	0.116
	Sill	68	2.68	1.42	0.25	0.014	0.008	BTU/hr.ft.F
	left jamb	68	2.68	1.42	0.25	0.015	0.008	0.067
	right jamb	68	2.68	1.42	0.25	0.015	0.008	Grade B


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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	W/m2K	BTU/hr.ft2.F		
8		1.01	0.18	0.538	0.769	0.135		
7		1.00	0.18	0.538	0.762	0.134		
6		1.00	0.18	0.538	0.760	0.134		
5		1.00	0.18	0.538	0.760	0.134		
4		1.01	0.18	0.538	0.762	0.134		
Marine North		1.01	0.18	0.538	0.765	0.135		
Marine South		1.01	0.18	0.538	0.770	0.136		
3		1.01	0.18	0.538	0.767	0.135		
2 West		1.02	0.18	0.538	0.779	0.137		
2 East		1.02	0.18	0.538	0.779	0.137		
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	BTU/hr.ft.F			
	Head	68	2.68	1.42	0.25	0.014	0.008	0.116
	Sill	68	2.68	1.42	0.25	0.014	0.008	BTU/hr.ft.F
	left jamb	68	2.68	1.42	0.25	0.015	0.008	0.067
	right jamb	68	2.68	1.42	0.25	0.015	0.008	Grade B


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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		1.07	0.19	0.538	0.769	0.135		
7		1.06	0.19	0.538	0.762	0.134		
6		1.06	0.19	0.538	0.760	0.134		
5		1.06	0.19	0.538	0.760	0.134		
4		1.06	0.19	0.538	0.762	0.134		
Marine North		1.06	0.19	0.538	0.765	0.135		
Marine South		1.07	0.19	0.538	0.770	0.136		
3		1.07	0.19	0.538	0.767	0.135		
2 West		1.07	0.19	0.538	0.779	0.137		
2 East		1.07	0.19	0.538	0.779	0.137		
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	1.42	0.25	0.014	0.008	0.116
Sill		68	2.68	1.42	0.25	0.014	0.008	BTU/hr.ft.F
left jamb		68	2.68	1.42	0.25	0.015	0.008	0.067
right jamb		68	2.68	1.42	0.25	0.015	0.008	Grade B


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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	W/m2K	BTU/hr.ft2.F		
8		1.01	0.18	0.468	0.769	0.135		
7		1.00	0.18	0.468	0.762	0.134		
6		1.00	0.18	0.468	0.760	0.134		
5		1.00	0.18	0.468	0.760	0.134		
4		1.01	0.18	0.468	0.762	0.134		
Marine North		1.01	0.18	0.468	0.765	0.135		
Marine South		1.01	0.18	0.468	0.770	0.136		
3		1.01	0.18	0.468	0.767	0.135		
2 West		1.02	0.18	0.468	0.779	0.137		
2 East		1.02	0.18	0.468	0.779	0.137		
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	1.42	0.25	0.014	0.008	0.116
	Sill	68	2.68	1.42	0.25	0.014	0.008	BTU/hr.ft.F
	left jamb	68	2.68	1.42	0.25	0.015	0.008	0.067
	right jamb	68	2.68	1.42	0.25	0.015	0.008	Grade B

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5		1.06	0.19	0.468	0.760	0.134		
4		1.06	0.19	0.468	0.762	0.134		
Marine North		1.06	0.19	0.468	0.765	0.135		
Marine South <input checked="" type="checkbox"/>		1.07	0.19	0.468	0.770	0.136		
3		1.07	0.19	0.468	0.767	0.135		
2 West		1.07	0.19	0.468	0.779	0.137		
2 East		1.07	0.19	0.468	0.779	0.137		
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	1.42	0.25	0.014	0.008	0.116
Sill		68	2.68	1.42	0.25	0.014	0.008	BTU/hr.ft.F
left jamb		68	2.68	1.42	0.25	0.015	0.008	0.067
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