



















Calculation based on ISO 15099

Product name: Kohltech 2020 Supreme Narrow Fixed				Center-of-glass properties				
ASHRAE/IECC /DOE North American Climate Zone	North, East, South-facing	West-facing						
				Guardian 3mm8071 surfaces 3 & 5, Arg95, 1-3/8"OA No Grids				
				Whole-window installed U-value		Ucog-Value		
Climate specific recommendations:				SHGC	BTU/hr.ft2.F			
	W/m2K	BTU/hr.ft2.F		W/m2K	BTU/hr.ft2.F			
8	0.96	0.17	0.612	0.769	0.135			
7	0.96	0.17	0.612	0.762	0.134			
6	0.96	0.17	0.612	0.760	0.134			
5	0.96	0.17	0.612	0.760	0.134			
4	0.96	0.17	0.612	0.762	0.134			
Marine North	0.96	0.17	0.612	0.765	0.135			
Marine South	0.96	0.17	0.612	0.770	0.136			
3	0.96	0.17	0.612	0.767	0.135			
2 West	0.97	0.17	0.612	0.779	0.137			
2 East	0.97	0.17	0.612	0.779	0.137			
Kohltech 2020 Supreme Narrow EnerEdge								
		FRAME			Psi-spacer		Psi-opaque	
		Frame height		U-frame		Ψ		
		mm	in	W/m2K	BTU/hr.ft2.F	W/mK	BTU/hr.ft.F	W/mK
Head	49	1.93	1.33	0.23	0.015	0.009	0.082	
Sill	49	1.93	1.33	0.23	0.015	0.009	BTU/hr.ft.F	
left jamb	49	1.93	1.30	0.23	0.015	0.009	0.047	
right jamb	49	1.93	1.30	0.23	0.015	0.009	Grade A	


















Valid through January 2022

Calculation based on ISO 15099

Product name: Kohltech 2020 Supreme Narrow Fixed				Center-of-glass properties				
ASHRAE/IECC /DOE North American Climate Zone	North, East, West - facing	South-facing			SDL/no Internal grids < 25.4mm			
Climate specific recommendations:			Whole-window installed U-value		Ucog-Value			
			W/m2K	BTU/hr.ft2.F	SHGC	W/m2K	BTU/hr.ft2.F	
8			"	"	"	0.769 0.135		
7			"	"	"	0.762 0.134		
6			"	"	"	0.760 0.134		
5			"	"	"	0.760 0.134		
4			"	"	"	0.762 0.134		
Marine North			"	"	"	0.765 0.135		
Marine South			"	"	"	0.770 0.136		
3			"	"	"	0.767 0.135		
2 West			"	"	"	0.779 0.137		
2 East			"	"	"	0.779 0.137		
Kohltech 2020 Supreme Narrow EnerEdge	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	49	1.93	1.33	0.23	0.015	0.009	0.082
	Sill	49	1.93	1.33	0.23	0.015	0.009	BTU/hr.ft.F
left jamb	49	1.93	1.30	0.23	0.015	0.009	0.047	
right jamb	49	1.93	1.30	0.23	0.015	0.009	Grade A	


















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Product name: Kohltech 2020 Supreme Narrow Fixed				Center-of-glass properties		
ASHRAE/IECC /DOE North American Climate Zone	North, East, West - facing	South-facing				
			Whole-window installed U-value			Center-of-glass properties
						SHGC
						Ucog-Value
						BTU/hr.ft2.F
Climate specific recommendations:			W/m2K	BTU/hr.ft2.F	SHGC	Ucog-Value
			W/m2K	BTU/hr.ft2.F	W/m2K	BTU/hr.ft2.F
8			"	"	"	0.769 0.135
7			"	"	"	0.762 0.134
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3			"	"	"	0.767 0.135
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2 East			"	"	"	0.779 0.137
Kohltech 2020 Supreme Narrow EnerEdge		FRAME		Psi-spacer		Psi-opaque
		Frame height		U-frame		Ψ
		mm	in	W/m2K	BTU/hr.ft2.F	
Head		49	1.93	1.33	0.23	0.015 0.009
Sill		49	1.93	1.33	0.23	0.015 0.009
left jamb		49	1.93	1.30	0.23	0.015 0.009
right jamb		49	1.93	1.30	0.23	0.015 0.009
						W/mK
						BTU/hr.ft.F
						Grade A


















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Product name: Kohltech 2020 Supreme Narrow Fixed			Center-of-glass properties				
ASHRAE/IECC /DOE North American Climate Zone	North, East, West - facing South-facing		 grids/SDL < 25.4mm				
		Whole-window installed U-value		Ucog-Value			
Climate specific recommendations:		W/m2K	BTU/hr.ft2.F	SHGC	W/m2K	BTU/hr.ft2.F	
8		"	"	"	0.769	0.135	
7		"	"	"	0.762	0.134	
6		"	"	"	0.760	0.134	
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Kohltech 2020 Supreme Narrow EnerEdge	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	49	1.93	1.33	0.23	0.015	0.009
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Product name: Kohltech 2020 Supreme Narrow Fixed		Center-of-glass properties					
ASHRAE/IECC /DOE North American Climate Zone	North, East, West - facing South-facing			SDL/no Internal grids >= 25.4mm			
Climate specific recommendations:		Whole-window installed U-value		Ucog-Value			
		W/m2K	BTU/hr.ft2.F	SHGC	W/m2K	BTU/hr.ft2.F	
8		"	"	"	0.769	0.135	
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Kohltech 2020 Supreme Narrow EnerEdge	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	
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		W/m2K	BTU/hr.ft2.F	SHGC	W/m2K	BTU/hr.ft2.F		
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