



Calculation based on ISO 15099

Product name: Kohltech 2020 Supreme Casement			Center-of-glass properties				
ASHRAE/IECC /DOE North American Climate Zone	South- facing	North, East, West - facing			Kohltech 3mm7036 surfaces 2 & 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	BTU/hr.ft2.F	
					W/m2K		
8			0.89	0.16	0.329	0.122	
7			0.88	0.16	0.329	0.120	
6			0.88	0.15	0.329	0.119	
5			0.88	0.15	0.329	0.119	
4		☑	0.88	0.15	0.329	0.119	
Marine North		☑	0.88	0.15	0.329	0.119	
Marine South	☑		0.88	0.15	0.329	0.120	
3	☑		0.88	0.15	0.329	0.119	
2 West			0.88	0.16	0.329	0.121	
2 East			0.88	0.16	0.329	0.121	
Kohltech 2020 Supreme Casement EnerEdge			FRAME		Psi-spacer		Psi-opaque
			Frame height		U-frame		☐
mm in		W/m2K	BTU/hr.ft2.F	W/mK	BTU/hr.ft.F		
Head		63 2.48	1.07 0.19	0.017	0.010	0.090	
Sill		63 2.48	1.07 0.19	0.017	0.010	BTU/hr.ft.F	
left jamb		63 2.48	1.11 0.20	0.019	0.011	0.052	
right jamb		63 2.48	1.11 0.20	0.019	0.011	Grade A	

Valid through March 2024

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ASHRAE/IECC /DOE North American Climate Zone	South- facing	North, East, West - facing			Kohltech 3mm7036 surfaces 2 & 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			0.89	0.16	0.290	0.693	0.122
7			0.88	0.16	0.290	0.682	0.120
6			0.88	0.15	0.290	0.676	0.119
5			0.88	0.15	0.290	0.676	0.119
4		✓	0.88	0.15	0.290	0.676	0.119
Marine North		✓	0.88	0.15	0.290	0.677	0.119
Marine South	✓	✓	0.88	0.15	0.290	0.680	0.120
3	✓	✓	0.88	0.15	0.290	0.678	0.119
2 West	✓	✓	0.88	0.16	0.290	0.686	0.121
2 East	✓	✓	0.88	0.16	0.290	0.686	0.121
Kohltech 2020 Supreme Casement EnerEdge			FRAME		Psi-spacer		Psi-opaque
			Frame height		U-frame		□
mm in		W/m2K	BTU/hr.ft2.F	W/mK	BTU/hr.ft.F	BTU/hr.ft.F	
Head		63 2.48	1.07 0.19	0.017	0.010	0.090	
Sill		63 2.48	1.07 0.19	0.017	0.010	BTU/hr.ft.F	
left jamb		63 2.48	1.11 0.20	0.019	0.011	0.052	
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