

Geneo Plus

Thermal Performance Report

Date: 2/11/2019
 Type: Tilt / Turn Window
 Glass: 48mm Planitherm XN (#2, #5), 4/18/4/18/4

North American Standard

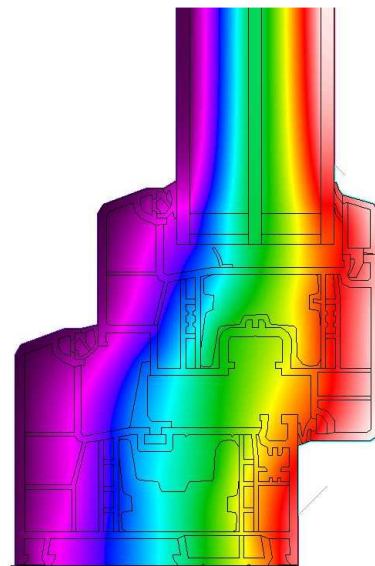
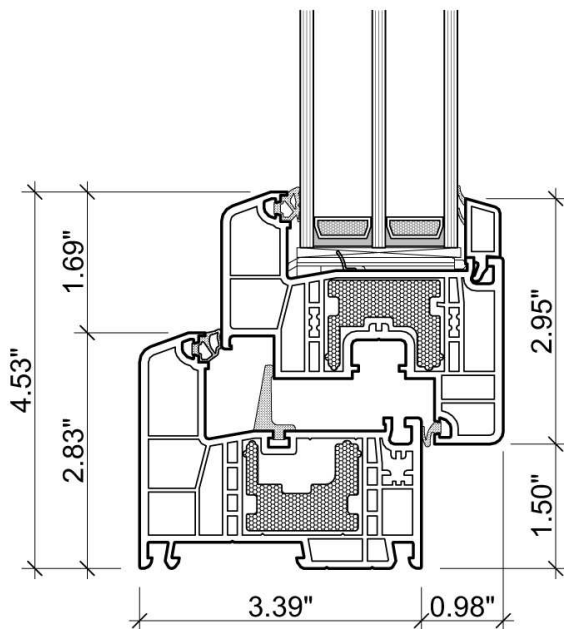
Performance values modeled with LBNL THERM & Window7 per NFRC 100 & 200
 47" x 59" Window size @ standard 0°F exterior temperature

Glass:	Ug = .126 Btu/hr-ft ² F	SHGC = .51	VLT = .74	
Window:	Uw = .147 Btu/hr-ft ² F	SHGC = .35	VLT = .51	CR = 83

European Standard

Performance values modeled with LBNL THERM & Window7 per ISO 673 / EN 673
 48" x 58" Window size @ standard 32°F exterior temperature

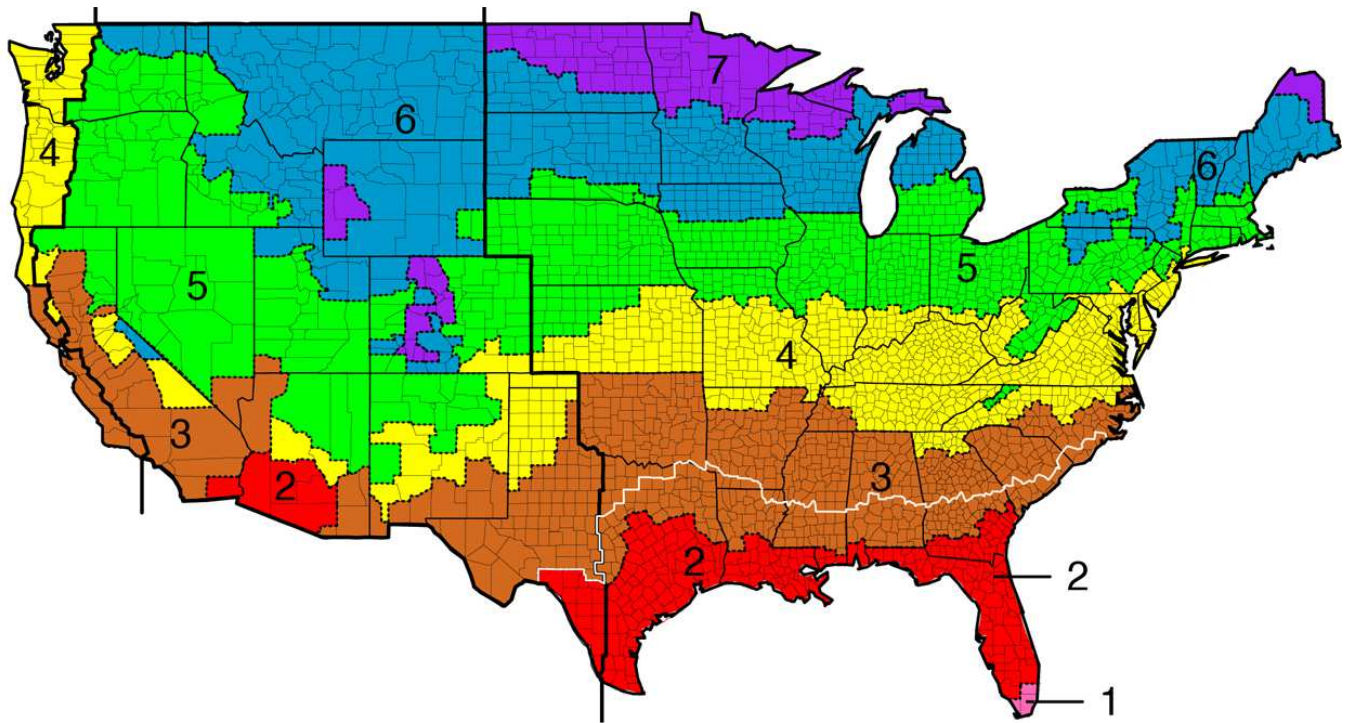
Frame:	Uf = .153 Btu/hr-ft ² F
Spacer:	Ψ = .0141 Btu/hr-ftF
Glass:	Ug = .097 Btu/hr-ft ² F
Window:	Uw = .126 Btu/hr-ft ² F



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Climate Specific Performance

Performance values modeled with LBNL THERM & Window7 per ISO 673 / EN 673
48" x 58" Window size @ climate specific winter exterior temperatures



Frame: $U_f = .152$ Btu/hr.ft²F

Spacer: $\Psi = .0141$ Btu/hr.ft.F

Glass: SHGC = .51

Climate Zone	Glass U-Value Btu/hr.ft ² F	Window U-Value Btu/hr.ft ² F
Zone 7 (10°F)	.112	.135
Zone 6 (25°F)	.103	.129
Zone 5 (28°F)	.100	.127
Zone 4 (36°F)	.096	.124