

# MANKO 5032xpt SERIES 5" ARCHITECTURAL GRADE FIXED, PROJECTED, AND CASEMENT WINDOW SYSTEM THERMAL PERFORMANCE AND CAPABILITIES

Whole Window U-Value (BTU/H <sub>c</sub> FT <sup>2</sup> )			
COG U-Value	Whole Window U-Value Per NFRC-100*		
	Fixed	Projected	Casement
0.45	.49	.50	.50
0.40	.45	.48	.48
0.35	.41	.45	.45
0.30	.37	.42	.42
0.25	.33	.39	.39
0.20	.29	.36	.36
0.15	.25	.33	.33
0.10	.21	.30	.30
All values shown are calculated with Manko standard Tri-Seal insulated units			

Whole Window Visible Light Transmittance			
COG Vt	Whole Window Vt Per NFRC-200		
	Fixed	Projected	Casement
0.80	0.67	0.49	0.49
0.70	0.59	0.43	0.43
0.60	0.50	0.37	0.37
0.50	0.42	0.31	0.31
0.40	0.34	0.25	0.25
0.30	0.25	0.18	0.18
0.20	0.17	0.12	0.12
0.10	0.08	0.06	0.06
All values shown are calculated with Manko standard Tri-Seal insulated units			

Whole Window Solar Heat Gain Coefficient			
COG SHGC	Whole Window SHGC Per NFRC-200*		
	Fixed	Projected	Casement
0.80	.70	.53	.53
0.75	.66	.50	.50
0.70	.61	.46	.46
0.65	.57	.43	.43
0.60	.53	.40	.40
0.55	.48	.37	.37
0.50	.44	.33	.33
0.45	.40	.30	.30
0.40	.35	.27	.27
0.35	.31	.24	.24
0.30	.27	.20	.20
0.25	.22	.17	.17
0.20	.18	.14	.14
0.15	.14	.11	.11
0.10	.09	.08	.08
0.05	.05	.04	.04
All values shown are calculated with Manko standard Tri-Seal insulated units			

\* U-values and SHGC have been calculated using Manko standard insulated glass unit construction with Tri-Seal airspace and standard sealants. Substitution of different airspacers and/or sealants will effect values.

All values listed have been calculated using standard NFRC-100 and NFRC-200 procedures. Some values listed have been extrapolated for clarity and ease of presentation.

All values listed have been calculated at standard NFRC Gateway Sizes.

Manko Window  
Systems Inc.  
800 Hayes Drive  
Manhattan, KS.  
66502  
PH: (800) 642 1488  
FX: (800) 576 2656



**MANKO**  
WINDOW SYSTEMS, INC.

Manko – Aurora, CO.  
17500 E. 22<sup>nd</sup> Avenue  
Aurora, CO. 80011  
PH: (888) 642 1488  
FAX: (303) 375 0669  
  
Manko– Des Moines, IA.  
3001 McKinley Avenue  
Des Moines, IA. 50321  
PH: (515) 288 7427  
FAX: (515) 288 6968