

LIGHT TRANSMISSION & SOLAR HEAT GAIN COEFFICIENT FOR 2 3/4" (70mm) PANELS

(For 4" (100mm) Light Transmission & Solar Heat Gain Coefficient values, see Page 9.10)

FACE SHEET COMBINATION <small>note 1,5</small>		% LIGHT TRANSMISSION <small>note 2</small>					WALL SYSTEM SOLAR HEAT GAIN COEFFICIENT AT 0° <small>note 3</small>				
EXTERIOR COLOR	INTERIOR COLOR	0.53 "U" <small>note 4</small>	0.29/0.23 "U"	0.22/0.14 "U"	0.18/0.10 "U"	0.05 "U"	0.53 "U"	0.29/0.23 "U"	0.22/0.14 "U"	0.18/0.10 "U"	0.05 "U"
Greenish Blue	White	25	14	5	3	14	0.50	0.23	0.14	0.10	0.19
Aqua	White	29	17	6	4	15	0.45	0.24	0.14	0.10	0.21
Rose	White	30	18	6	4	16	0.46	0.24	0.15	0.10	0.21
Ice Blue	White	35	20	8	6	21	0.54	0.28	0.17	0.12	0.26
Greenish Blue	Crystal	37	20	7	4	NA	0.53	0.26	0.16	0.11	NA
Aqua	Crystal	43	23	7	4	NA	0.55	0.27	0.16	0.11	NA
Rose	Crystal	48	24	8	5	NA	0.57	0.28	0.17	0.12	NA
Ice Blue	Crystal	53	27	10	6	NA	0.68	0.32	0.19	0.13	NA
White	Crystal	30	18	12	8	NA	0.46	0.24	0.14	0.10	NA
White	White	20	15	8	5	14	0.38	0.23	0.15	0.11	0.18
Crystal	White	35	20	12	8	20	0.52	0.28	0.17	0.13	0.25
Crystal	Crystal	50	30	15	10	NA	0.65	0.33	0.18	0.13	NA
Crystal SWC	White	29	16	9	6	16	0.47	0.25	0.15	0.10	0.23
Crystal SWC	Crystal	44	22	11	8	NA	0.58	0.29	0.17	0.12	NA

- Other combinations available.
- Approximate values by ASTM E-972. Light transmission values over 30% not recommended for most applications.
- At 0° incident angle. **Bold** values are NFRC Certified, others are calculated based on tests. Shading Coefficient (SC) is equal to 1.15 times the Solar Heat Gain Coefficient (SHGC). Refer to Page 9.30 for complete NFRC System Values.
- "U" Values determined by NFRC test method (ASTM C-1363, E-1423 and C-1199 or simulation at certified lab). Expressed as BTU/(ft²·h·°F) for aluminum grid / thermally broken grid, nominal 12" x 24". Perimeter aluminum excluded. Test temperature at 15 mph wind (6.7 m/s): 0°F (-18°C) cold side & 70°F (21°C) warm side.
- SW, Type A, and White High Impact face sheets are similar in light transmission and solar heat gain properties.

Check with Technical Services Department for further clarification. Since this table is of a very technical nature, please consult your heating and ventilation engineer for proper interpretation.

Metric U Value Conversions										
English	0.53	0.29	0.23	0.22	0.18	0.14	0.10	0.05	Btu/(ft ² ·h·°F)	
SI	3.01	1.65	1.31	1.25	1.02	0.79	0.57	0.28	W/(m ² ·K)	

Kalwall®

CORPORATION P.O. Box 237, Manchester, NH
(603) 627-3861