ARCH DECO GLASS
YOUR TRUE SINGLE SOURCE

Sumiglass Printed Series Properties (SGCC Certified Laminated Glass)

Description	Design Code	Pattern Size	Pattern Surface Coverage	Maximum Size	Solar Transmittance (%)	Visible Light Transmittance (%)	Visible Light Reflectance (%)	Shading Coefficient (SC)	Solar HeatGain Coefficient (SHGC)	Relative Heat Gain (RHG) BTU/hr-ft	Visible Reflectance (%)
Diamond Lines	PS700			46 x 108	57	67	-	0.63	0.55	-	-
Diagonals	PS710			46 x 108	50	62	-	0.63	0.55	-	-
Squares	PS720			46 x 108	51	68	-	0.52	0.45	-	-
Verticals	PS730			46 x 108	48	69	-	0.75	0.65	-	-
Basket Weave	PS740			46 x 108	66	53	-	0.75	0.65	-	-
Pin Stripes	PS750			46 x 108	47	59	-	0.63	0.55	-	-
Horizontal	PS760			46 x 108	45	66	-	0.52	0.45	-	-
Half Squares	PS770			46 x 108	52	61	-	0.63	0.55	-	-
Venetian	PS780			46 x 108	54	68	-	0.75	0.65	-	-
Offset Squares	PS790			46 x 108	58	54	-	0.80	0.70	-	-
Dots	PS800			46 x 108	58	76	-	0.75	0.65	-	-
Reverse Dots	PS810			46 x 108	50	64	-	0.57	0.50	-	-
Horizontal Stripes	PS820			46 x 108	56	72	-	0.63	0.55	-	-
Reverse Squares	PS830			46 x 108	57	82	-	0.69	0.60	-	-
Vertical Stripes	PS840			46 x 108	58	73	-	0.69	0.60	-	-

Sumiglass Woven Wood Series Properties

Description	Design Code	Pattern Size	Pattern Surface Coverage	Maximum Size	Solar Transmittance (%)	Visible Light Transmittance (%)	Visible Light Reflectance (%)	Shading Coefficient (SC)	Solar HeatGain Coefficient (SHGC)	Relative Heat Gain (RHG) BTU/hr-ft	Visible Reflectance (%)
Maple ***	WO1000	-	-	47 x 107	6	5	-	0.17	0.15	-	-
Cherry ***	WO1001	-	-	47 x 107	5	5	-	0.17	0.15	-	-
Birch ***	WO1002	-	-	47 x 107	4	5	-	0.17	0.15	-	-
Beech ***	WO1003	-	-	47 x 107	5	5	-	0.17	0.15	-	-
Alder ***	WO1004	-	-	47 x 107	5	5	-	0.17	0.15	-	-

Sumiglass Fabrics Series Properties

Description	Design Code	Pattern Size	Pattern Surface Coverage	Maximum Size	Solar Transmittance (%)	Visible Light Transmittance (%)	Visible Light Reflectance (%)	Shading Coefficient (SC)	Solar HeatGain Coefficient (SHGC)	Relative Heat Gain (RHG) BTU/hr-ft	Visible Reflectance (%)
Burgundy Gold	FA910	-	-	36 x 108	39	46	-	0.52	0.45	-	-
Mauve/Silver	FA920	-	-	36 x 108	48.5	56	-	0.57	0.50	-	-
Metallic Ingot	FA930	-	-	44 x 108	40	53	-	0.52	0.45	-	-

Sumiglass Fiber Tone Series Properties

Description	Design Code	Pattern Size	Pattern Surface Coverage	Maximum Size	Solar Transmittance (%)	Visible Light Transmittance (%)	Visible Light Reflectance (%)	Shading Coefficient (SC)	Solar HeatGain Coefficient (SHGC)	Relative Heat Gain (RHG) BTU/hr-ft	Visible Reflectance (%)
White	FT100	-	-	63 x 108	25	53	-	.29	0.25	-	-
Light Tan	FT101	-	-	63 x 108	24	43	-	.29	0.25	-	-
Light Grey	FT103	-	-	63 x 108	24	33	-	.23	0.20	-	-
Medium Grey	FT104	-	-	63 x 108	13	15	-	.17	0.15	-	-

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Sumiglass Fiber Tone Series Properties (cont.)

Description	Design Code	Pattern Size	Pattern Surface Coverage	Maximum Size	Solar Transmittance (%)	Visible Light Transmittance (%)	Visible Light Reflectance (%)	Shading Coefficient (SC)	Solar HeatGain Coefficient (SHGC)	Relative Heat Gain (RHG) BTU/hr-ft	Visible Reflectance (%)
Yellow	FT116	-	-	63 x 108	25	37	-	.29	0.25	-	-
Red	FT122	-	-	63 x 108	29	29	-	.29	0.25	-	-
Original Fiber	FT200	-	-	63 x 108	42	53	-	.46	0.40	-	-

Sumiglass Loom Series Properties

Description	Design Code	Pattern Size	Pattern Surface Coverage	Maximum Size	Solar Transmittance (%)	Visible Light Transmittance (%)	Visible Light Reflectance (%)	Shading Coefficient (SC)	Solar HeatGain Coefficient (SHGC)	Relative Heat Gain (RHG) BTU/hr-ft	Visible Reflectance (%)
White	WV100	7% open	-	63 x 108	11	22	-	.17	0.15	-	-
White Linen	WV200	7% open	-	63 x 108	10	18	-	.17	0.15	-	-
Linen	WV300	7% open	-	63 x 108	12	20	-	.17	0.15	-	-
Pearl White	WV400	7% open	-	63 x 108	14	21	-	.23	0.20	-	-
Pearl	WV500	7% open	-	63 x 108	6	9	-	.17	0.15	-	-
Pewter	WV600	7% open	-	63 x 108	7	9	-	.23	0.20	-	-

Sumiglass Rice Paper Series Properties (RP500 & RP510 are SGCC Certified Laminated Glass)

Description	Design Code	Pattern Size	Pattern Surface Coverage	Maximum Size	Solar Transmittance (%)	Visible Light Transmittance (%)	Visible Light Reflectance (%)	Shading Coefficient (SC)	Solar HeatGain Coefficient (SHGC)	Relative Heat Gain (RHG) BTU/hr-ft	Visible Reflectance (%)
Light	RP500	-	-	36 x 108	55	69	-	.69	0.60	-	-
Heavy	RP510	-	-	36 x 108	42	51	-	.52	0.45	-	-
Red	RP511	-	-	38 x 108	52	49	-	.57	0.50	-	-
Charcoal	RP512	-	-	38 x 108	52	40	-	.69	0.60	-	-
Violet	RP513	-	-	38 x 108	52	55	-	.69	0.60	-	-
White	RP514	-	-	45 x 108	47	67	-	.57	0.50	-	-
Mint	RP515	-	-	38 x 108	51	68	-	.69	0.60	-	-
Mauve	RP516	-	-	38 x 108	42	57	-	.63	0.55	-	-
Copper	RP517	-	-	38 x 108	52	49	-	.63	0.55	-	-
Black	RP518	-	-	38 x 108	51	11	-	.57	0.50	-	-
Chocolate	RP519	-	-	38 x 108	45	20	-	.52	0.45	-	-
Wine	RP520	-	-	38 x 108	51	38	-	.63	0.55	-	-
Beige	RP521	-	-	38 x 108	52	55	-	.63	0.55	-	-
Olive	RP522	-	-	38 x 108	50	46	-	.63	0.55	-	-
Natural	RP523	-	-	45 x 108	47	66	-	.57	0.50	-	-
Royal Blue	RP524	-	-	38 x 108	52	25	-	.63	0.40	-	-
Blue Green	RP525	-	-	38 x 108	38	24	-	.46	0.60	-	-
Kinwashi	RP526	-	-	37 x 108	59	74	-	.69		-	-
Thai Mango	RP527	-	-	42 x 108			-			-	-

Sumiglass Marbleized Series Properties (SGCC Certified Laminated Glass)

Description	Design Code	Pattern Size	Pattern Surface Coverage	Maximum Size	Solar Transmittance (%)	Visible Light Transmittance (%)	Visible Light Reflectance (%)	Shading Coefficient (SC)	Solar HeatGain Coefficient (SHGC)	Relative Heat Gain (RHG) BTU/hr-ft	Visible Reflectance (%)
Marbleized	GF0102	-	-	23 x 56			-			-	
Marbleized	GF0800	-	-	23 x 56			-			-	
Marbleized	GF0705	-	-	23 x 56	7		-	.11	.10	-	
Marbleized	GF0704	-	-	23 x 56			-			-	
Marbleized	GF0700	-	-	23 x 56			-			-	
Marbleized	GF0507	-	-	23 x 56	57		-	.63	.55	-	
Marbleized	GF0203	-	-	23 x 56	2		-	.06	.05	-	
Marbleized	GF0201	-	-	23 x 56	52		-	.57	.50	-	

Sumiglass Metallic Film Series Properties (SGCC Certified Laminated Glass)

Description	Design Code	Pattern Size	Pattern Surface Coverage	Maximum Size	Solar Transmittance (%)	Visible Light Transmittance (%)	Visible Light Reflectance (%)	Shading Coefficient (SC)	Solar HeatGain Coefficient (SHGC)	Relative Heat Gain (RHG) BTU/hr-ft	Visible Reflectance (%)
Diamond Deck Plate	MF-2000	-	-	50 x 108	16	20	-		.15	-	
Galvanized	MF-2001	-	-	50 x 108			-			-	
Brushed Rays	MF-2002	-	-	50 x 108			-			-	
Wave	MF-2004	-	-	50 x 108	25	34	-		.25	-	
Machine Circles	MF-2005	-	-	50 x 108	18	25	-		.15	-	
Linen	MF-2003	-	-	50 x 108	22	30	-		.20	-	

***** Sumiglass® Woven Woods can not be laminated with annealed glass, all Woven Woods must be manufactured with Tempered glass.**

Sumiglass Aluminum Series Properties

Description	Design Code	Pattern Size	Pattern Surface Coverage	Maximum Size	Solar Transmittance (%)	Visible Light Transmittance (%)	Visible Light Reflectance (%)	Shading Coefficient (SC)	Solar HeatGain Coefficient (SHGC)	Relative Heat Gain (RHG) BTU/hr-ft	Visible Reflectance (%)
Decorative Aluminum	GMG 003-1A	-	-	47 x 108	-	-	-	-	-	-	-
Decorative Aluminum	GMG 003A	-	-	47 x 108	-	-	-	-	-	-	-
Decorative Aluminum	GMG 011A	-	-	47 x 108	-	-	-	-	-	-	-
Decorative Aluminum	GMG 015A	-	-	47 x 108	-	-	-	-	-	-	-
Decorative Aluminum	VSM 001-6A	-	-	47 x 108	-	-	-	-	-	-	-

PLEASE NOTE:
Recommended for one-sided applications only.
This information is to help you and your customers understand the difference among various types of glazing, so the right choice is made for the specific application.
Arch Deco Glass® assumes no responsibility for it's use.
The above data was accumulated and calculated at Arch Deco Glass® utilizing the following methods and meters with a +/- 3% tolerance.

SOLAR HEAT GAIN
a. EDTM model number SP2065 Digital Solar Meter Power/Transmission.
b. Calculated at 20 BTU/HR*FT
c. Light Source = 20 BTU/HR FT

UV BLOCK
a. EDTM model number UV1365E UV Transmission & Power Meter.
b. Calculated as the percent blocked.
c. Calibration source 370 nm ultra violet.

VISIBLE LIGHT
a. EDTM model number VP 1165 Visible Light Transmission & Power Meter.
b. Calculated as the percent of visible light passing through the glass.
c. Calibrated at 100% Light Source.

SOLAR TRANSMISSION
a. EDTM model number SP2065 Digital Solar Meter Power/Transmission.
b. Calculated as the percent of Solar Transmission.
c. Calibrated 100% Infrared Lamp.

SHADING COEFFICIENT
Shading Coefficient of any glass is defined as the ratio of the Solar Heat Gain of the glass to the Solar Heat Gain of 1/8" (3.0mm),