Plexiglas Acrylic Sheet Solar Control Tints

PLEXIGLAS Colorless — Standard Clear

PLEXIGLAS 2538 Gray

PLEXIGLAS 2064 Gray

PLEXIGLAS 2537 Gray

PLEXIGLAS 2094 Gray

PLEXIGLAS 2514 Gray

PLEXIGLAS 2515 Gray — Standard Gray

PLEXIGLAS 2370 Bronze

PLEXIGLAS 2412 Bronze

PLEXIGLAS 2404 Bronze — Standard Bronze

PLEXIGLAS 2540 Bronze
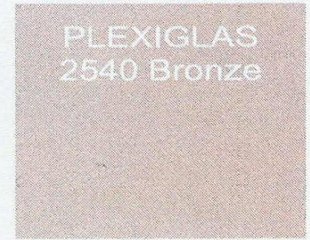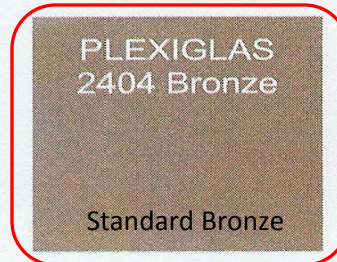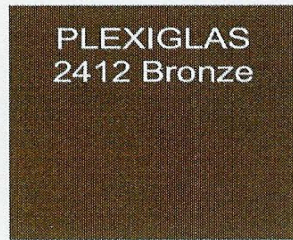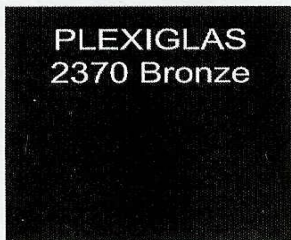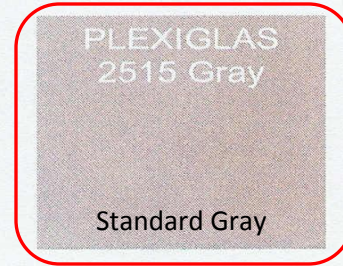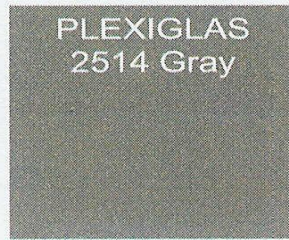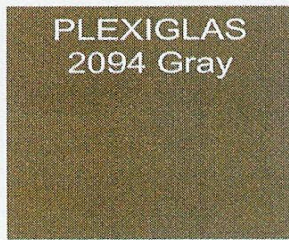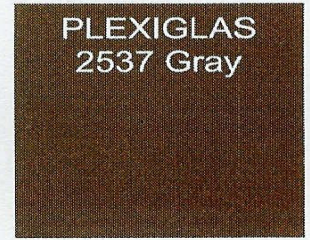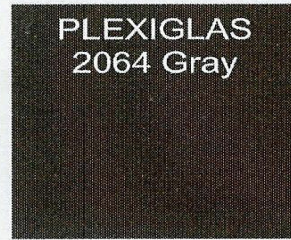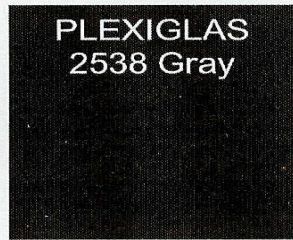
Standard SOLAR COTROL TINTS

Designed as a solution for solar heat and glare control problems, Plexiglas acrylic sheet gray and bronze solar control tints provide added protection for architectural and transportation glazing, skylights, and other transparent enclosures and sunscreens. Both colors are available in a number of standard densities, providing a range of visible light and solar energy transmittance values to choose from.

The transmittance of any single tint color is approximately equal for any sheet thickness.

The following chart provides transmittance and energy related information for selecting glazing for windows and skylights.

Solar Control Tints – Light Transmittance and Shading Information

		Transmittance (%)		Shading Coefficients		
Grade	Color	Visible Light[1]	Solar Energy	Single Glazed Vertical	Single Glazed Horizontal	Double Glazed[2] (V&H)
G/MC	2074 Gray	12%	24%	0.50	0.28	0.34
G	2538 Gray*	16	27	0.52	0.46	0.36
G/MC	2064 Gray	27	36	0.59	0.50	0.44
G	2537 Gray*	33	41	0.63	0.59	0.49
G	2094 Gray*	45	55	0.74	0.71	0.61
G	2514 Gray*	59	62	0.80	0.78	0.68
G	2515 Gray*	76	74	0.89	0.88	0.78
G/MC	2370 Bronze	10	20	0.46	0.40	0.30
G/MC	2412 Bronze	27	35	0.58	0.53	0.43
G/MC	2404 Bronze	49	56	0.75	0.72	0.62
G	2540 Bronze	75	75	0.90	0.89	0.79
G/MC	Colorless	92	85	0.98	0.89	0.89

[1] Visible transmittance is measured using C.I.E. Source C Data (6500°K Average Daylight).

[2] For best control of solar heat gain is multi-pane glazing, use tinted Plexiglas sheet as the outside pane, then a ¼" air space, and colorless Plexiglas acrylic sheet as the inside pane.

* Neutral Gray