

Properties of acrylic dome

Brightness and durability

The acrylic glazing used for the manufacture of Verplex skylights resistant to the elements and UV rays.

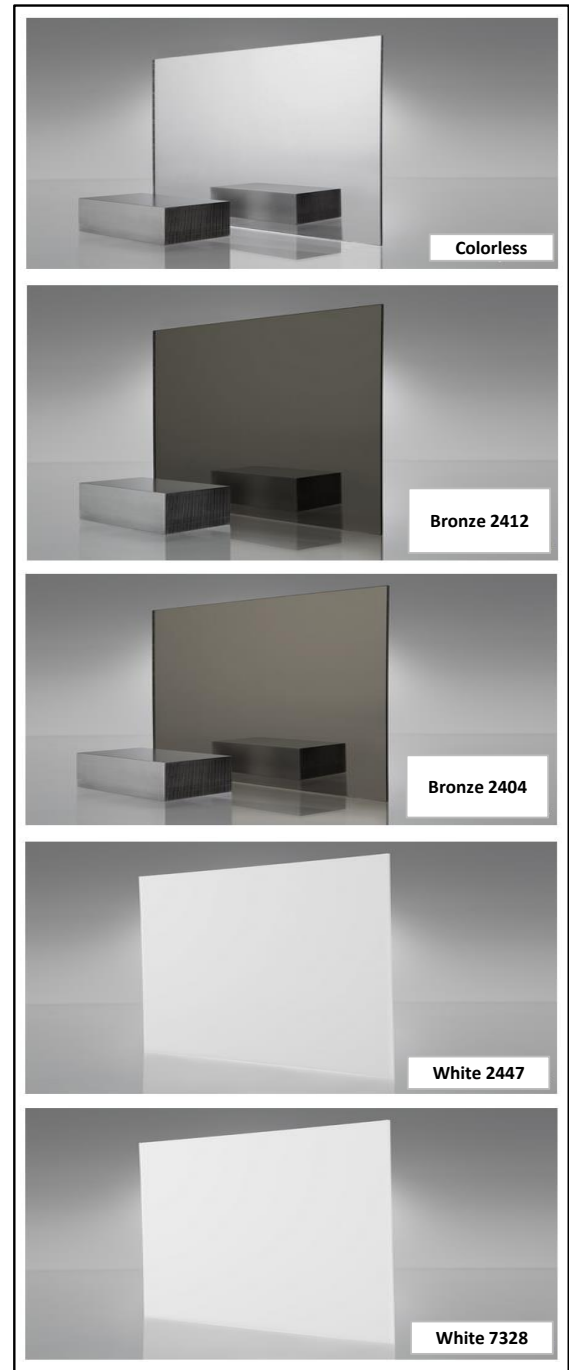
The acrylic does not yellow unlike other materials available on the market.

The transmission loss of light is not visible to the naked eye. This loss has been set to 1% for every 10 years according to tests carried out in Pennsylvania.

The clear glass is the most popular. It is recommended where maximum natural light is desired.

The colors of acrylic bronze in 2412 and 2404 are generally used to filter the light that enters the building. It also controls the transmission of heat caused by sunlight.

The translucent white is used to provide privacy while letting light. It perfectly diffuse lighting and reduced solar heat inside the building.



Color number	Total solar energy Transmittance Thickness 3/16"	Light transmittance			Shading coefficient vertical glazing
		Thickness 1/8"	Thickness 3/16"	Thickness 1/4"	
Colorless	90%	92%	92%	92%	0,89
Bronze #2412	35%	27%	27%	27%	0,43
Bronze #2404	56%	49%	49%	49%	0,62
White #2447	52%	53%	42%	36%	0,44
White #7328	27%	32%	22%	17%	0,20

NB: possibilities of supply constraint for bronze and translucent white 2447 colors can occur when the surface of the skylight exceed 48 square feet or total size 72 "x 96"

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