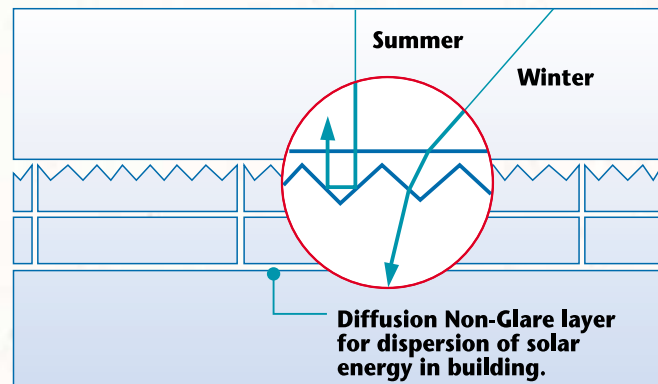
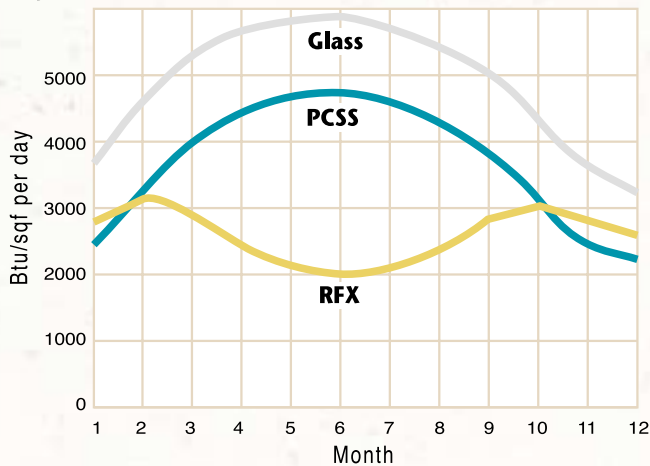
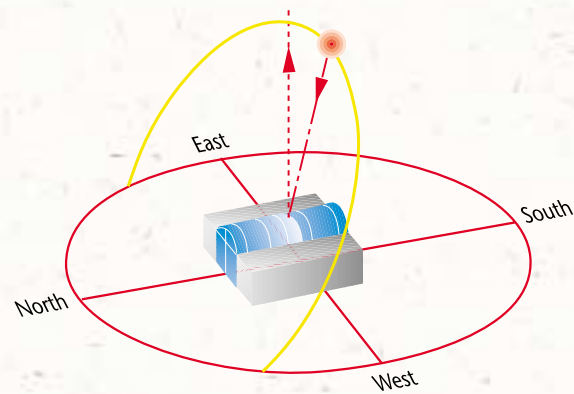


## Daily Solar Heat Gain

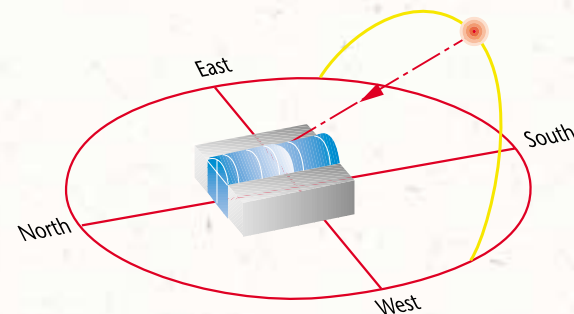


## RFX - Technical Specifications

Panel Thickness (A)	5/8" (16mm)			
Colors	non glare Inner Layer (NGB)	BRONZE (BRZ)	BLUE (BLU)	CLEAR (CLR)
Weight	0.62 lb/ft <sup>2</sup>			
Space Between Ribs (D)	0.787 in			
Standard Width	47.25" (1200mm)			
Standard Lengths	up to 36'			
U Factor	0.41 Btu/hr-ft <sup>2</sup> .°F			
Minimum Radius for Bending Without Heat	9'2"			
Thermal Expansion	1/8" per 36"	3/16" per 40"	3/16" per 40"	1/8" per 36"
Light Transmission	19% ASTM E903 (perpendicular to the panel)	21%	23%	34%
Reflectivity	More than 40% (perpendicular to the panel)	20%	10%	>40%



**Summer** - When the path of the sun is high, RFX reflects away the sun's rays, preventing heat from penetrating into the structure



**Winter** - When the path of the sun is low, RFX allows penetration of solar energy through the panel, providing a natural heating source.

For over 25 years, Polygal has been developing and manufacturing a wide range of multi-layered polycarbonate panels, which are proudly installed in buildings worldwide. A leader in its field, Polygal is known around the world for the quality of its products and was the first in the world to produce polycarbonate panels for building applications.



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POLYGAL® RFX

## RFX The Smart Panel for Energy Savings

Polygal's new, innovative RFX multi-layered polycarbonate panels are the world's most advanced roofing panel solution for natural energy savings. RFX's patented prism design, the first of its kind and the exclusive design of Polygal, regulates the amount of solar energy penetrating the panel according to the angle of sunlight. The exterior layer's unique prismatic design reflects away most of the sun's radiation in hot weather when the sun is high, significantly decreasing the amount of heat penetrating into the structure's interior. In cooler weather, RFX actually magnifies the sunlight penetrating the panels to increase the warming effect. The result - significant savings on energy costs and a beautiful, long-lasting roofing finish.

Polygal's RFX also provides all the benefits of Polygal's other polycarbonate panels: Unbreakable, light-weight, resistant to UV radiation damage, and easy assembly - making them the material of choice for architects and builders.

### Main Applications

Roofing in hot or cold climates where reducing energy costs for cooling and heating is desired.

### Main Benefits

Significant climate control effect - reduction in heat in summer and increase in heat in winter.

### Unbreakable

Polygal's high-quality panels are 200 times stronger than glass and eight times stronger than acrylic sheets. Each Polygal panel passes stringent inspection and complies with ISO 9002 quality control standards.

