



## SOLARBAN<sup>®</sup> 70

Let natural light in while keeping solar heat out for significant energy savings. Solarban<sup>®</sup> 70 glass brilliantly combines the clear appearance of transparent, color-neutral glass with an exceptional combination of solar control and visible light transmittance (VLT). This solar control is the world's first triple-silver, magnetron sputter vacuum deposition coating.

Solarban 70 blocks nearly three-fourths of the sun's heat energy while allowing more than 60 percent of daylight to pass through. On bright, warm days, this winning combination helps cut summer cooling costs and reduces energy expenses related to indoor lighting. On cold days and nights, this low-e glass helps cut winter heat loss from residential windows in half compared to ordinary clear glass.

### FEATURES

- Blocks nearly 3/4 of the sun's heat energy
- Allows more than 60% of daylight to pass through
- Transmits almost 80% as much desirable visible light as standard clear insulating glass
- Low reflectivity for glare control
- Clear aesthetic for versatility
- Blocks 94% of damaging UV energy
- Reduces heating and cooling energy costs
- Prevents furniture, fabric and carpet fading 42% better than standard clear insulating glass
- Insulates up to 50% better than standard clear insulating glass

## OPTIONS AND ADD ONS

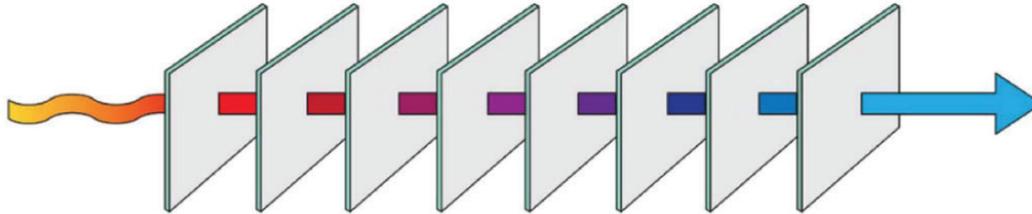
- Color options: blue, green, gray, brown
- Coating available on the second and third surfaces
- Combination with tinted glass
- Low-iron substrate options

## PERFECT FOR

- All climates, hot and cold
- Annealed, heat-strengthened and tempered applications
- Standard and oversized glass
- Window walls with seamless views

## SPECIFICATIONS

THICKNESS (INCHES)	9/16"
TRANSMITTANCE UV	0%
TRANSMITTANCE VISIBLE	60%
TRANSMITTANCE TOTAL SOLAR	23%
EXTERIOR SOLAR REFLECTANCE	50%
EXTERIOR VISIBLE REFLECTANCE	14%
INTERIOR VISIBLE REFLECTANCE	16%
U-VALUE (WINTER NIGHTTIME) (BTU/HR FT <sup>2</sup> °F)	0.93
U-VALUE (SUMMER DAYTIME) (BTU/HR FT <sup>2</sup> °F)	0.85
SHADING COEFFICIENT (SC)	0.36
SOLAR HEAT GAIN COEFFICIENT (SHGC)	0.32
LIGHT TO SOLAR GAIN (LSG)	1.88
THERMAL STRESS RISK (IF ANNEALED GLASS)	Low



Clear Glass	Tinted Glass	Hard Coat Low E Clear	Hard Coat Low E Tint	Soft Coat Low E Clear	Soft Coat Low E Tint	Triple Silver Clear	Triple Silver Tint
0.70	0.35 to 0.50	0.60	0.25 to 0.44	0.30 to 0.39	0.25 to 0.30	0.23 to 0.27	0.20 to 0.25

### External View



SB70 ON 6MM



6MM CLEAR

### Internal View



SB70 ON 6MM



6MM CLEAR

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