

SAFETYZONE™ 

SOLAR CONTROL SAFETY & SECURITY FILM



HanitaTek
Window Films

SOLAR CONTROL SAFETY & SECURITY FILM



5 mil Cold Steel 35 film protects homeowners with "fairway exposures" from errant golf balls at this Blackhawk, Calif., luxury residence.

HEAT, GLARE & UV-CONTROL ANTI-FRAGMENTATION WINDOW FILM

Our solar-control safety and security films offer the protection and security of SafetyZone™ clear security films with the heat rejection, glare control and UV block of select SolarZone™ films.

Cold Steel Safety is manufactured using a patented metallizing process, and is designed for a neutral appearance. The film's excellent Solar Energy Rejection lowers heat gain and glare—saving on energy costs—as well as blocking 99% of harmful UV radiation. Cold Steel Safety is available in 5, 6 and 10 mil thickness, in 35%, 50% and 70% light transmission, and is recommended for both residential and commercial use.

Silver Safety combines the protection of SafetyZone security and safety film with the superb heat rejection, UV block and modern appearance of SolarZone Silver films. Manufactured in 4, 9 and 12 mil in 20% VLT, Silver Safety films are primarily used for commercial projects, and are also available with a scratch-resistant coating for exterior applications. Silver Exterior is offered at 5 mil, in 20% and 60% VLT.

Matte Translucent SafetyZone films in 5 and 12 mil combine privacy with safety, and are ideal for bathroom and office applications.

SAFETYZONE: FOR GLASS PROTECTION, THE CLEAR SOLUTION

- Filters solar heat and glare
- Up to 99% UV rejected
- Up to 80% glare reduction
- Suitable for application to most types of insulated glass
- Flexible multilayer construction
- Superior scratch-resistant coating
- Aggressive PS adhesive

S A F E T Y Z O N E

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SAFETYZONE™

Optical & Solar Properties	4 Mil Silver 20	9 Mil Silver 20	12 Mil Silver 20	6 Mil Cold Steel 35	10 Mil Cold Steel 35	5 Mil Cold Steel 50
Visible Light Transmitted	17%	17%	15%	34%	34%	46%
Visible Light Reflected	51%	50%	54%	12%	12%	13%
UV Radiation Rejected	99%	99%	99%	99%	99%	97%
Total Solar Energy Reflected	48%	49%	52%	19%	19%	19%
Total Solar Energy Transmitted	12%	11%	12%	25%	25%	37%
Total Solar Energy Absorbed	40%	40%	34%	56%	56%	44%
Shading Coefficient	0.26	0.25	0.25	0.46	0.46	0.56
Total Solar Energy Rejected	78%	78%	79%	57%	57%	52%

Optical & Solar Properties	10 Mil Cold Steel 50	6 Mil Cold Steel 70	5 Mil Matte	12 Mil Matte	5 Mil Silver 20 EX SR	5 Mil Silver 60 EX SR
Visible Light Transmitted	46%	66%	55%	48%	17%	57%
Visible Light Reflected	13%	9%	14%	19%	60%	22%
UV Radiation Rejected	97%	99%	94%	97%	99%	99%
Total Solar Energy Reflected	19%	10%	14%	19%	65%	24%
Total Solar Energy Transmitted	37%	56%	57%	48%	13%	42%
Total Solar Energy Absorbed	44%	34%	29%	33%	22%	34%
Shading Coefficient	0.56	0.75	0.75	0.67	0.22	0.59
Total Solar Energy Rejected	52%	35%	33%	40%	81%	50%

All solar performance data is based on film being applied to the inside of 1/4 inch clear monolithic annealed glass. All data reported has been measured, calculated and reported in accordance with ASTM, ASHRAE and AIMCAL standards. The data is subject to variations within accepted industry standards.

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