



# EXTERIOR FILM



HanitaTek  
Window Films

## EXTERIOR FILM



### SCRATCH-RESISTANT EXTERIOR FILMS

Tricky outdoor installations are now faster and easier with SolarZone's™ Scratch-Resistant (SR) films. Cleaning, installation and maintenance become a breeze—without worrying about unsightly scratches or marks.

Backed by a five-year warranty, SolarZone's outdoor SR films also hold up well in harsh climates without any of the discoloration, haziness and flaking of so many other outdoor films on the market.

When you compare SolarZone's Outdoor Silver SR film with one of our competitor's, it's easy to see the difference:



*Hanita's film magnified x 75, after 2200 hours of Xenon weathering*



*Competitor's film magnified x 75, after only 1800 hours of Xenon weathering*

UV degradation causes the competitor's film to mist and crack. It's not only unsightly, it also reduces the film's performance. But SolarZone's scratch-resistant film continues to deliver a high level of performance without unsightly blemishes and discoloration.

### SOLARZONE™ SR FILMS: THE CLEAR ANSWER TO OUTDOOR INSTALLATIONS

- Easy installation
- High performance
- Outstanding durability

### AVAILABLE IN SIX POPULAR PRODUCT LINES:

- Silver 20, 35 and 60
- Clear 4 mil Safety
- Silver 5 mil Safety 20 and 60
- Solar Bronze 20
- Cold Steel 20 and 35
- Optitune 22

UP TO FIVE-YEAR WARRANTY *(See dealer for full warranty details)*

# S O L A R Z O N E

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## SOLARZONE™

Optical & Solar Properties	Silver 20	Silver 35	Silver 60	Cold Steel 20	Cold Steel 35	Solar Bronze 20	OptiTune 22
Visible Light Transmitted	16%	32%	56%	22%	36%	20%	22%
<b>Total Solar Energy Reflected</b>	<b>67%</b>	<b>47%</b>	<b>26%</b>	<b>29%</b>	<b>22%</b>	<b>56%</b>	<b>34%</b>
Total Solar Energy Absorbed	20%	28%	32%	58%	51%	31%	45%
<b>Total Solar Energy Transmitted</b>	<b>13%</b>	<b>25%</b>	<b>42%</b>	<b>13%</b>	<b>27%</b>	<b>13%</b>	<b>21%</b>
Visible Light Reflected	62%	43%	23%	23%	17%	43%	32%
<b>U-Value</b>	<b>0.85</b>	<b>0.91</b>	<b>0.93</b>	<b>0.95</b>	<b>0.95</b>	<b>0.91</b>	<b>0.93</b>
UV Radiation Rejected	99%	99%	99%	99%	99%	99%	99%
<b>Shading Coefficient</b>	<b>0.21</b>	<b>0.37</b>	<b>.58</b>	<b>0.33</b>	<b>0.47</b>	<b>0.25</b>	<b>0.38</b>
Solar Heat Gain Coefficient	0.18	0.32	.52	0.28	0.41	0.22	0.33
<b>Emissivity</b>	<b>0.73</b>	<b>0.76</b>	<b>0.78</b>	<b>0.81</b>	<b>0.84</b>	<b>0.69</b>	<b>0.76</b>
Total Solar Energy Rejected	82%	68%	50%	73%	60%	79%	68%

## SAFETYZONE™

Optical & Solar Properties	5 Mil Silver 20 EX SR	5 Mil Silver 60 EX SR	4 Mil Clear EX SR
Visible Light Transmitted	17%	57%	86%
<b>Visible Light Reflected</b>	<b>60%</b>	<b>22%</b>	<b>9%</b>
UV Radiation Rejected	99%	99%	99%
<b>Total Solar Energy Reflected</b>	<b>65%</b>	<b>24%</b>	<b>9%</b>
Total Solar Energy Transmitted	13%	42%	78%
<b>Total Solar Energy Absorbed</b>	<b>22%</b>	<b>34%</b>	<b>13%</b>
Shading Coefficient	0.22	0.59	0.96
<b>Total Solar Energy Rejected</b>	<b>81%</b>	<b>50%</b>	<b>19%</b>

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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