

SOLAR OPTICAL AND HEAT FLOW PROPERTIES

Please scroll down to see testing information on page 2.

Product FAA Spec. 500 SR/Gray

Test Date 2/13/1986

Test Equipment Perkin-Elmer 330 Spectrophotometer A/203 Ref
Devices & Services Emissometer MacBeth Densitometer TD-504

% Total Solar Transmission	43
% Total Solar Reflection	14
% Total Solar Absorptance	43
% Ultra Violet Transmission (350 nm)	0-4
MacBeth % VLT (550 nm)	6

U-Factor			Free Hanging	Sealed System
Summer	To89	Ti75	0.83	0.51
Winter	To45	Ti68	0.83	0.51
Winter	To18	Ti68		

Shading Coefficient	0.80	0.74
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% Total Energy Rejected	48	50
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**F-72 AIR TRAFFIC CONTROL TOWER
SHADE FILM**

**Construction : RS-4 BG/ Metallized / BG
SR Coating –One Side 500 Gauge #74153 R9235
Mill is ISO Registered Company**

Test Date June 8, 2001

Product has remained consistent to the following.

Emittance:	0.75
% Solar Transmittance:	19.86
% Solar Reflectance:	17.50
% Solar Absorptance:	62.64
% Visible Transmittance:	2.64
% Visible Reflectance	6.29
% Weighted Ultraviolet Transmittance:	0.27

The following is a summary of calculations for summer conditions:

Solar Heat Gain Coefficient:	0.37
U-Factor	1.09
Shading Coefficient:	0.42
% Solar Energy Rejected	63.16

The following is calculated for winter conditions:

U-Factor:	1.17
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The following is calculated for winter median:

U-Factor	1.17
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