

# PHOTOCHROMIC WINDOW FILM DATA SHEET

## STR 7545 (R70)

### FEATURES

<b>Thickness:</b>	0.076mm
<b>VLТ:</b>	75-45
<b>IRR</b>	89%-91%
<b>VLR:</b>	9%
<b>UVR:</b>	99%
<b>TSER:</b>	63%
<b>SHGC:</b>	0.55
<b>SC:</b>	0.30
<b>U-Factor:</b>	1.80
<b>Technology:</b>	Nano-ceramic

## STR 7530+ (R70+)

### FEATURES

<b>Thickness:</b>	0.050mm
<b>VLТ:</b>	75-30
<b>IRR</b>	80% - 84%
<b>VLR:</b>	11%
<b>UVR:</b>	99%
<b>TSER:</b>	61%
<b>SHGC:</b>	0.47
<b>SC:</b>	0.54
<b>U-Factor:</b>	1.90
<b>Technology:</b>	Dual magnetron spluttering

## STR 7225 (R80)

### FEATURES

<b>Thickness:</b>	0.076mm
<b>VLТ:</b>	72-25
<b>IRR</b>	84% - 89%
<b>VLR:</b>	11%
<b>UVR:</b>	99%
<b>TSER:</b>	57%
<b>SHGC:</b>	0.45
<b>SC:</b>	0.48
<b>U-Factor:</b>	1.80
<b>Technology:</b>	Nano-ceramic

## APPLICABLE STANDARDS

- ASTM International (ASTM)
- ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials
- ASTM E308 Standard Practice for Computing the Colors of Objects by Using the CIE System
- ASTM E903 Standard Test Method for Solar Absorbance, Reflectance, and Transmittance of Materials Using Integrating Spheres (Withdrawn 2005)
- ASTM G26 Practice for Operating Light- Exposure Apparatus (Xenon-Arc Type) With and Without Water for Exposure of Nonmetallic Materials (Withdrawn 2000)

## APPROVALS

- The Skin Cancer Foundation

## LIMITATIONS OF APPLICATION

Tinted glass thicker than 6mm

Triple pane glass

Laminated glass 3 ply or more

Marked, chipped or damaged glass

Window framing systems that are concrete

Textured glass

Wired glass

Patterned glass

Glass with a frame with no seal around the edge

A property with a history of glass failure

Vinyl lettering or paint applied to glass

## TERMS

**VLT:** Visible Light Transmission

**IRR:** Infrared Rejection

**VLR:** Visible Light Reflection

**UVR:** Ultraviolet Rejection

**TSER:** Total Solar Energy Rejected

**SHGC:** Solar Heat Gain Coefficient

**SC:** Shading Coefficient

**U Factor:** U Value