

# SUNTUF® SolarSmart™




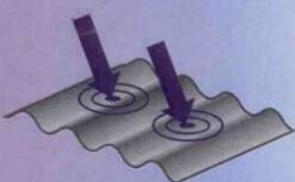
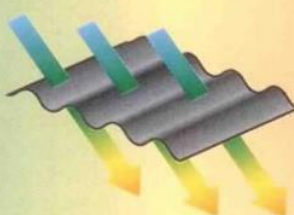

Heat-Blocking Corrugated Polycarbonate Sheets



DIY

Construction



|                          | <b>Ultra Violet</b><br>290-400nm   | <b>Visible Light</b><br>400-780nm   | <b>Near Infra Red</b><br>780-1650nm   |
|--------------------------|--|---|---|
| <b>Real Life Effects</b> | <p>UV radiation has harmful as well as benefiting effects. It causes sunburns on skin, cataract in eyes and molecular damage to DNA.</p>  | <p>Visible light makes eye-sight and general orientation possible for most living things.</p>  | <p>Near IR is converted into heat when absorbed by objects. Also causes general discomfort when contacts the skin.</p>                             |
| <b>SolarSmart Action</b> | <p>All PALRAM polycarbonate products absorb 99.9% of UV radiation.</p>    | <p>SUNTUF® SolarSmart transmits high portions of incident light.</p>                           | <p>SUNTUF® SolarSmart blocks Near Infra Red radiation, reduces heat buildup and creates a cooler, more comfortable space underneath the roof.</p>  |

## Product Range



### SMR

Group..... **Solar Metallic Reflective**

Features..... Metallic appearance, effective heat blocking.

Product..... SUNTUF® Solar Control

### IRR

**Infra-Red Reflective**

Pearlescent colors, highly effective heat blocking.

*Only available as multiwall*

### SST

**Selective See-Through**

Glass-like transparency, effective heat blocking.

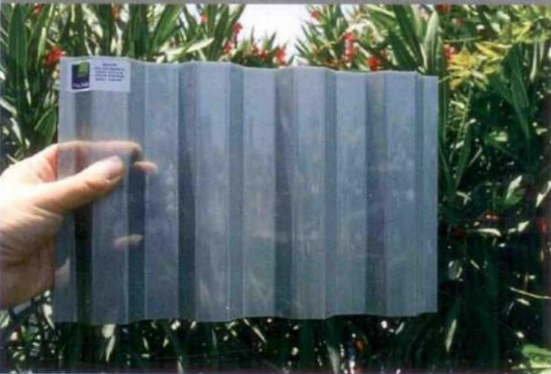
SUNTUF® Smart Grey

## Heat Blocking with Low Haze

SUNTUF® Smart Grey = See-Through

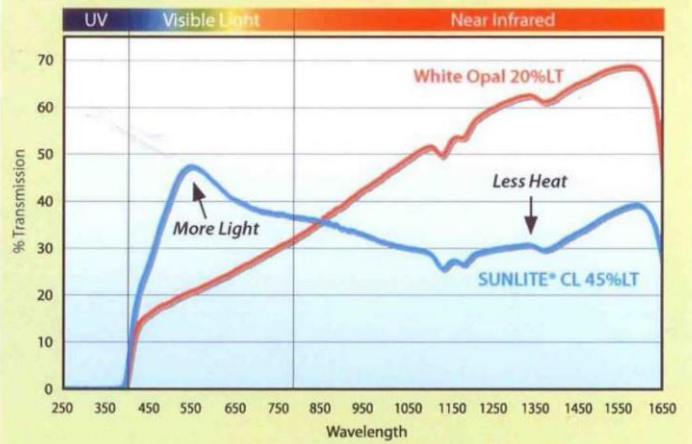


SUNTUF® Solar Control = Hazy



## More Light - Less Heat

10mm multiwall sheets with 0.44 shading coefficient



## Effective Temperature Reduction Test

