PALRAM

SUNTUF® SolarSmart™

Heat-Blocking Corrugated Polycarbonate Sheets

DIY Construction

Solar Spectrum

nm 250 — 400 — 780 — 1650

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

Product Range

SolarSmart™
Selective Solar Control Technology

	SMR	IRR	SST
Group.....	**Solar Metallic Reflective**	**Infra-Red Reflective**	**Selective See-Through**
Features.....	Metallic appearance, effective heat blocking.	Pearlescent colors, highly effective heat blocking.	Glass-like transparency, effective heat blocking.
Product.....	SUNTUF® Solar Control	*Only available as multiwall*	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

Inasmuch as PALRAM Industries has no control over the use to which others may put the material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make his own tests to determine the material's suitability for his own particular use. Statements concerning possible or suggested uses of the materials described herein are not to be construed as constituting a license under any PALRAM Industries patent covering such use or as recommendations for use of such materials in the infringement of any patent. PALRAM Industries or its distributors cannot be held responsible for any losses incurred through incorrect installation of the material. In accordance with our company policy of continual product development you are advised to check with your local PALRAM Industries supplier to ensure that you have obtained the most up to date information.

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Europe
UK
Israel
USA
Australia
Far East

PALRAM

AFRICA
PALRAM SOUTH AFRICA
Unit 1 Graphite Close, Driehoek
Germiston, South Africa
Tel. +27 11 8731581
Fax +27 11 8731814
sales.africa@palram.com

EUROPE
PALRAM EUROPE LTD.
Tel: +44-1302-380776
Fax: +44-1302-380788
sales.europe@palram.com
www.palram.com

USA
PALRAM AMERICAS
Tel: +610-2859918
Fax: +610-2859928
palramamericas@palram.com
www.palramamericas.com

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