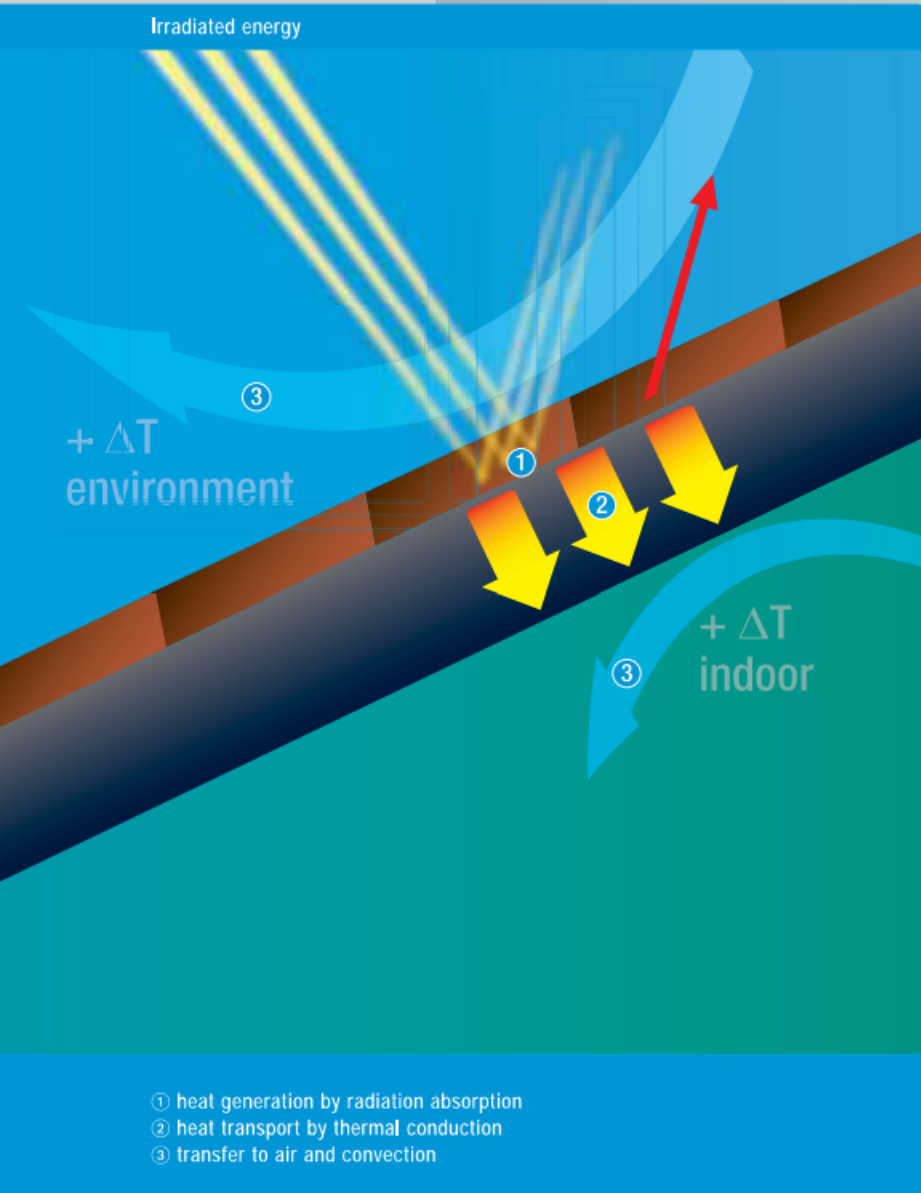


RoofProtect™

Cool pigments for cool surfaces

Save Energy Consumption



The energy radiated by the sun hits the colored surface. When the radiation is absorbed, this generates heat, which is transported by thermal conduction into the material and by convection into the surrounding air. Less absorption automatically means less heat build-up.

The reflection from the color-coated surface contributes to lower temperatures in the coating and also lower temperature strain in coating layers and for the substrates. This results in a longer lifetime of the coated material.

Our Smart Shield Solar reflective colored pigment technology uses specially designed pigments to achieve a higher degree of TSR than do conventional pigments of the same color. For example, the TSR of a dark brown conventional coating is about 8%, whereas the same color using our solar reflective pigment technology will be about 28%.

Typically, every one percent increase in TSR is accompanied by a one degree F drop in surface temperature. Conventional pigments have a low TSR range whereas using Smart Shield Technology results in colors which have a TSR of 25% and higher.



TM

ROOF PROJECT

3000 COLOR POTENTIALS

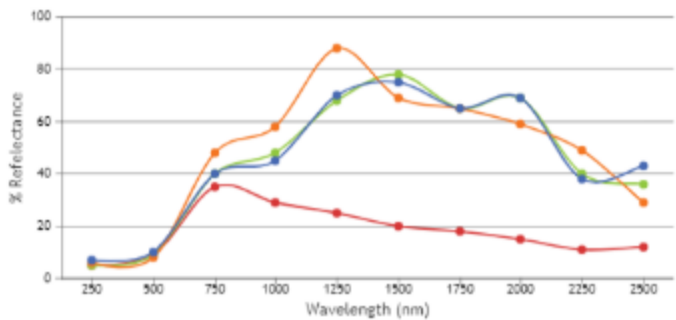


SmartShield Formulation

- > Increased TSR up to 32%
- > Increased Durability
- > Color Retention
- > Decreased Roof Temperature



Comparative Reflectivity

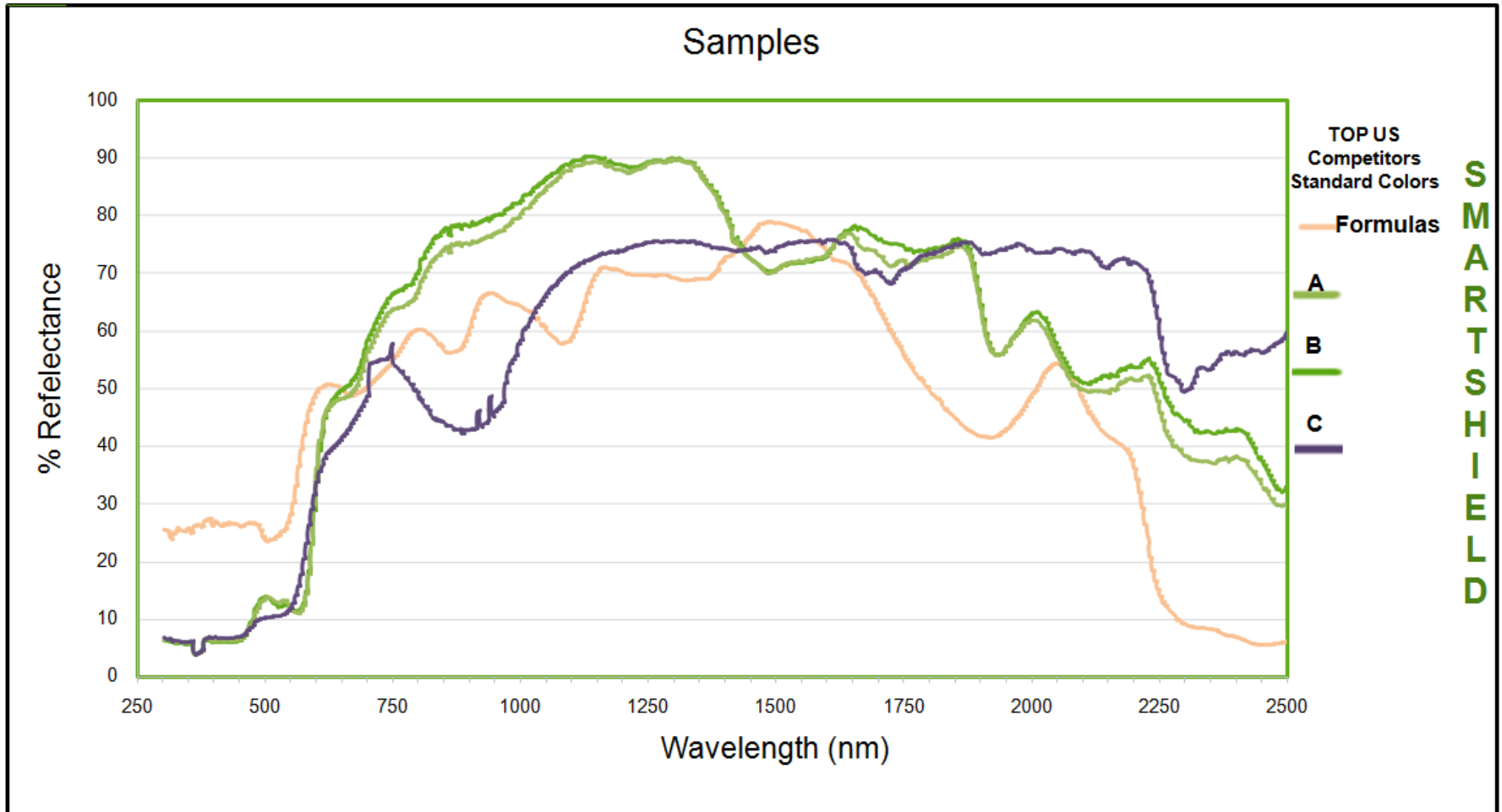


Advance Color Formulations

Surface Heat Reduction		%
BEIGE/TOPE	YELLOW	14%
GREEN/EME	EMERALD	18%
TERRA COTTA	TRADITIONAL	16%
TERRA COTTA	RED	22%
BLACK/BONITO	BLACK	32%

INCREASED / TENSILE / STRENGTH / DURABILITY	
LUC-YELLOW	100%
KLA 2310	100%
CIN RED L4100	100%
SCO BLACK MRN	100%

Roofprotect™ Comparative Reflectance Curves





COLORS &
EFFECTS

By Roofprotect™
Coatings

Please don't hesitate to contact us!

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Hollywood FL, 33021

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