Insulated Panels Cool Coatings

These “cool” exterior coatings feature vivid, fade-resistant color, incredible durability and environmentally friendly cool technology originally developed for stealth aircraft in the U.S. military. This is by far the best paint system available on the market for commercial buildings.

Exterior Colors (PVDF)

IR: *Initial Reflectance* ***SRI:*** *Solar Reflectance Index*

Regal White IR .71 SRI 86

Warm White IR .65 SRI 78

Surrey Beige IR .50 SRI 56

Pearl Gray IR .50 SRI 56

Royal Blue IR .29 SRI 29

Cypress Green IR .30 SRI 30

AdobeTexture™ Wall Panels

Regal White Adobe

Sandstone Adobe

Surrey Beige Adobe

Pearl Gray Adobe

Interior Color - Polyester

Imperial White

NOTE: When using field applied coatings always order Imperial White Polyester for the exterior coating.

Colors shown closely approximate actual coating colors.

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Product Specifications

Solar Reflectance, Thermal Emittance and Solar Reflectance Index (SRI)

Solar Reflectance

To be considered "cool," products must have a Solar Reflectance of at least .25. Solar Reflectance is the fraction of the total solar energy that is reflected away from a surface.

Thermal Emittance

Thermal Emittance is the measure of a panel's ability to release heat that it has absorbed.

Solar Reflectance Index (SRI)

Put Solar Reflectance and Thermal Emittance together and you get the Solar Reflectance Index (SRI). SRI is calculated by using the values of solar reflectance, thermal emittance and a medium wind coefficient. The higher the SRI value, the lower its surface temperature and consequently, the heat gain into the building. Metal roofs coated with pigmented PVDF resin achieve an SRI of 29-86, depending on the color.

Conventional roof surfaces have low reflectance (0.05 to 0.25) and high thermal emittance (typically over .85). Roof panels with both high reflectance and high emittance can reduce the surface temperature by as much as 30-50% based on color and geographic location, which will result in a reduced heat gain to the building, therefore reducing the energy demand.

PVDF COOL COATINGS

PVDF Cool Color	Initial Solar Reflectance (IR)	Initial Thermal Emittance	Solar Reflectance Index (SRI)
Regal White	.71	0.84	86
Warm White	.65	0.85	78
Surrey Beige	.50	0.84	56
Pearl Gray	.50	0.83	56
Royal Blue	.29	0.85	29
Cypress Green	.30	0.85	30