

SOLACHROME™ High SR Color

Helps to mitigate the Urban Heat Island Effect

■ Concrete Color Chart A-382 ■



Volcano Bay



Superior Concrete Floor Protection with Proguard™

Protect your floor from the trades by using SCOFIELD® Proguard™ Duracover™. Proguard Duracover is a flexible, durable material that will protect interior flooring from harsh construction environments both before and after installation. More at www.scofield.com.

SOLACHROME® Integral Coloring Treatment for High-SRI Concrete is a patented solar reflective concrete coloring admixture. Its unique composition can permanently develop deep vibrant solar reflective colors that will stay cool longer and have reduced maximum temperatures than colors made from traditional technologies.

SOLACHROME™ High SR Color

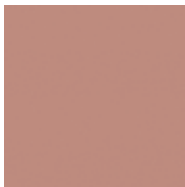
Helps to mitigate the Urban Heat Island Effect

S-29 Sunstone

Solar Reflectance when made with:

Gray Cement
SRI 33 | SR 0.296

White Cement
SRI 56 | SR 0.475



S-25 Cool Taupe

Solar Reflectance when made with:

Gray Cement
SRI 30 | SR 0.273

White Cement
SRI 56 | SR 0.475



S-27 Iced Tea

Solar Reflectance when made with:

Gray Cement
SRI 31 | SR 0.278

White Cement
SRI 55 | SR 0.470



S-24 Cool Canyon

Solar Reflectance when made with:

Gray Cement
SRI 31 | SR 0.278

White Cement
SRI 56 | SR 0.475

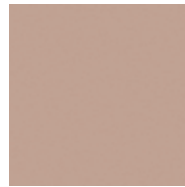


S-23 Coco Bay

Solar Reflectance when made with:

Gray Cement
SRI 30 | SR 0.271

White Cement
SRI 57 | SR 0.480



S-14 Cool Brick

Solar Reflectance when made with:

Gray Cement
SRI 30 | SR 0.273

White Cement
SRI 55 | SR 0.470



S-18 Rose Quartz

Solar Reflectance when made with:

Gray Cement
SRI 32 | SR 0.284

White Cement
SRI 60 | SR 0.505

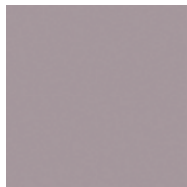


S-11 Amethyst Ice

Solar Reflectance when made with:

Gray Cement
SRI 34 | SR 0.306

White Cement
SRI 65 | SR 0.535



S-28 Laguna Beach

Solar Reflectance when made with:

Gray Cement
SRI 34 | SR 0.307

White Cement
SRI 67 | SR 0.555



The SR values shown are for SOLACHROME Integral colors. SOLACHROME Color Hardener colors have higher SR values.
The products may be covered by one or more of the following patents: US 7,815,728; US 8,366,824; US 8,157,910; US 8,632,631

Cool Colors, Cooler Pavement

S-22 Cayman Dream

Solar Reflectance when made with:

Gray Cement	White Cement
SRI 38 SR 0.338	SRI 68 SR 0.565



S-16 Moonstone

Solar Reflectance when made with:

Gray Cement	White Cement
SRI 36 SR 0.318	SRI 63 SR 0.525



S-12 Cold Front

Solar Reflectance when made with:

Gray Cement	White Cement
SRI 25 SR 0.240	SRI 35 SR 0.315



S-21 Caribou

Solar Reflectance when made with:

Gray Cement	White Cement
SRI 32 SR 0.288	SRI 54 SR 0.460



S-36 Sago Palm

Solar Reflectance when made with:

Gray Cement	White Cement
SRI 33 SR 0.299	SRI 54 SR 0.460



S-45 Cool Bimini

Solar Reflectance when made with:

Gray Cement	White Cement
SRI 36 SR 0.323	SRI 83 SR 0.675



S-33 Quicksilver

Solar Reflectance when made with:

Gray Cement	White Cement
SRI 33 SR 0.293	SRI 56 SR 0.475



SOLACHROME High-SR Concrete Color is engineered to help keep concrete temperatures lower, and to minimize the unwanted transfer of heat into the surrounding air. This is achieved using specially formulated colors and patented technology, which utilizes pigments with higher solar reflectance compared to many conventional hardscape materials. This “cool pavement” technology helps reduce the heat buildup in the entire concrete slab.

Cool Pavements, Cool Strategies

Helps to mitigate the Urban Heat Island Effect

According to the U.S. Environmental Protection Agency, “The term “heat island” describes built up areas that are hotter than nearby rural areas. The annual mean air temperature of a city with 1 million people or more can be 1.8–5.4°F (1–3°C) warmer than its surroundings. In the evening, the difference can be as high as 22°F (12°C). Heat islands can affect communities by increasing summertime peak energy demand, air conditioning costs, air pollution and greenhouse gas emissions, heat-related illness and mortality, and water quality.” One cooling strategy is to use “paving materials on sidewalks, parking lots, and streets that remain cooler than conventional pavements (by reflecting more solar energy and enhancing water evaporation) not only cools the pavement surface and surrounding air, but can also reduce stormwater runoff and improve nighttime visibility.”¹

SOLACHROME® Integral Coloring Treatment for High-SRI Concrete adds infrared light reflective color that is weather resistant, UV Stable, lightfast, and alkali resistant. It contains no materials that initiate, accelerate, or promote the corrosion of steel, coated metal, plastic, or rubber concrete reinforcements. It will not migrate from standing water, and can safely color concrete fountains, pools, water features, or concrete that will be polished and encounter damp or wet environments. All pigments used conform to the requirements of ASTM C 979 Pigments for Integrally Colored Concrete.



¹<https://www.epa.gov/heat-islands>, 02/01/2019

