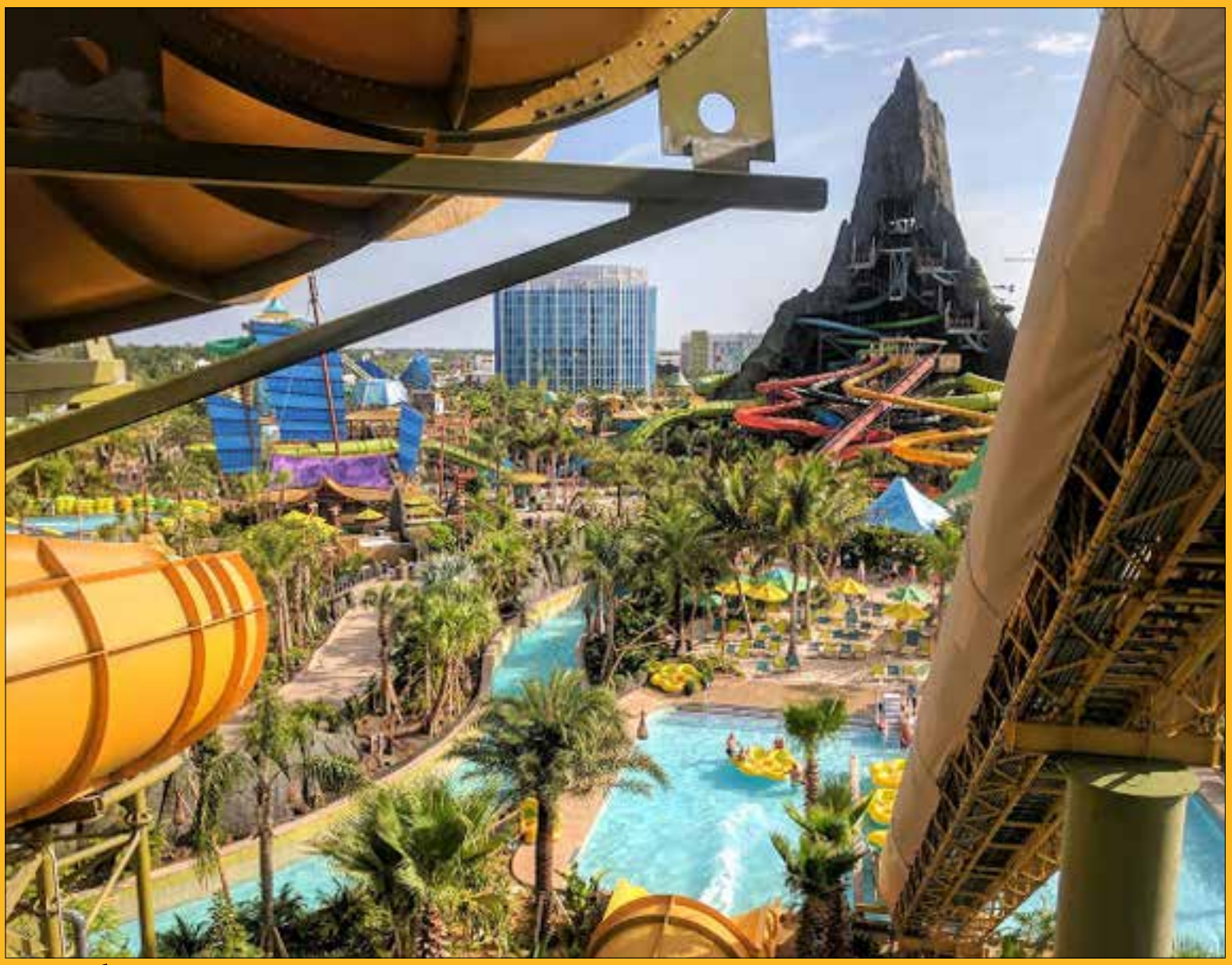
SOLACHROME™ High SR Color

HELPS TO MITIGATE THE URBAN HEAT ISLAND EFFECT

Concrete Colour 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.sika.ca

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

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SOLACHROME™ High SR Color

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S-29 Sunstone

Solar Reflectance when made with:

Grey Cement	White Cement
SRI 33 | SR 0.296	SRI 56 | SR 0.475

S-25 Cool Taupe

Solar Reflectance when made with:

Grey Cement	White Cement
SRI 30 | SR 0.273	SRI 56 | SR 0.475

S-27 Iced Tea

Solar Reflectance when made with:

Grey Cement	White Cement
SRI 31 | SR 0.278	SRI 55 | SR 0.470

S-24 Cool Canyon

Solar Reflectance when made with:

Grey Cement	White Cement
SRI 31 | SR 0.278	SRI 56 | SR 0.475

S-23 Coco Bay

Solar Reflectance when made with:

Grey Cement	White Cement
SRI 30 | SR 0.271	SRI 57 | SR 0.480

S-14 Cool Brick

Solar Reflectance when made with:

Grey Cement	White Cement
SRI 30 | SR 0.273	SRI 55 | SR 0.470

S-18 Rose Quartz

Solar Reflectance when made with:

Grey Cement	White Cement
SRI 32 | SR 0.284	SRI 60 | SR 0.505

S-11 Amethyst Ice

Solar Reflectance when made with:

Grey Cement	White Cement
SRI 34 | SR 0.306	SRI 65 | SR 0.535

S-28 Laguna Beach

Solar Reflectance when made with:

Grey Cement	White Cement
SRI 34 | SR 0.307	SRI 67 | SR 0.555

The SR values shown are for SOLACHROME Integral colours. 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 Colours, Cooler Pavement

S-22 Cayman Dream

Solar Reflectance when made with:

Grey Cement	White Cement
SRI 38 | SR 0.338	SRI 68 | SR 0.565

S-16 Moonstone

Solar Reflectance when made with:

Grey Cement	White Cement
SRI 36 | SR 0.318	SRI 63 | SR 0.525

S-12 Cold Front

Solar Reflectance when made with:

Grey Cement	White Cement
SRI 25 | SR 0.240	SRI 35 | SR 0.315

S-21 Caribou

Solar Reflectance when made with:

Grey Cement	White Cement
SRI 32 | SR 0.288	SRI 54 | SR 0.460

S-36 Sago Palm

Solar Reflectance when made with:

Grey Cement	White Cement
SRI 33 | SR 0.299	SRI 54 | SR 0.460

S-45 Cool Bimini

Solar Reflectance when made with:

Grey Cement	White Cement
SRI 36 | SR 0.323	SRI 83 | SR 0.675

S-33 Quicksilver

Solar Reflectance when made with:

Grey 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.

Concrete colours shown are approximate. Using the contemplated materials and construction techniques, representative samples should be cast for approval. Colours shown represent SOLACHROME High-SR Concrete made with both grey cement (left) and white cement (right). Refer to the SOLACHROME Product Data Sheet at www.sika.ca for information.

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 – 3 °C (1.8 – 5.4 °F) warmer than its surroundings. In the evening, the difference can be as high as 12 °C (22 °F). 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 night time visibility."

SOLACHROME® Integral Coloring Treatment for High-SRI Concrete adds infrared light reflective colour 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 colour 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 C979 Pigments for Integrally Colored Concrete.

Your Partner in Decorative Concrete.

SIKA CANADA INC.
Head Office
601, avenue Delmar
Pointe-Claire, Quebec
H9R 4A9

1-800-933-SIKA
www.sika.ca

Other locations
Boisbriand (QC)
Brantford; Cambridge; Sudbury; Toronto (ON)
Edmonton (AB); Surrey (BC)

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Certified ISO 14001 (CERT-0102791)

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