



INCRETE COLOR-CRETE

HIGH SRI COLORS + LEED



COLORS WITH SRI VALUES OF 29 OR HIGHER

EARN LEED POINTS

REDUCE HEAT ISLAND EFFECT

COOLER TO THE TOUCH AND BARE FEET

MOST COLORS AVAILABLE IN POWDER, GRANULAR, AND LIQUID

REDUCE YOUR ENERGY NEEDS

SLAB ON GRADE, VERTICAL, PRE-CAST, TILT UP APPLICATIONS

MEETS ASTM C-979 STANDARDS

LEED DATA SHEET

COLOR-CRETE INTEGRAL COLOR

LEED CATEGORY

SUSTAINABLE SITES

1 Point

Credit SS 7.1 Heat Island Effect - Non Roof

All colors listed meet or exceed minimum LEED requirement for this credit

SRI values listed were derived from the following test methods performed by an independent testing laboratory:

ASTM C1549: "Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using Portable Solar Reflectometer"

ASTM E1980: "Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces"

YUMA GOLD

Solar Reflective Index when made with:

Gray Cement
36.3

White Cement
69.9



DESERT TAN

Solar Reflective Index when made with:

Gray Cement
30.6

White Cement
35.9



SAND BUFF

Solar Reflective Index when made with:

Gray Cement

White Cement
39.6



PHEONIX TAN

Solar Reflective Index when made with:

Gray Cement
36.7

White Cement
54.1



AUSTIN BUFF

Solar Reflective Index when made with:

Gray Cement
40.5

White Cement
70.6



SAN JOSE BUFF

Solar Reflective Index when made with:

Gray Cement
34.6

White Cement
72.6



FIESTA

Solar Reflective Index when made with:

Gray Cement
34.9

White Cement
50.2



PECOS BEIGE

Solar Reflective Index when made with:

Gray Cement
35.6

White Cement
70.7



SANDSTONE

Solar Reflective Index when made with:

Gray Cement
41.9

White Cement
78.4



SALTILLO

Solar Reflective Index when made with:

Gray Cement
39.1

White Cement
70.3



MAPLEWOOD

Solar Reflective Index when made with:

Gray Cement
37.7

White Cement
66.2



SOMBRA

Solar Reflective Index when made with:

Gray Cement
40.6

White Cement
66.0



PUEBLO

Solar Reflective Index when made with:

Gray Cement
35.7

White Cement
51.0



TIERRA

Solar Reflective Index when made with:

Gray Cement
33.0

White Cement
66.2



SEDONA

Solar Reflective Index when made with:

Gray Cement

White Cement
33.1



CORDOVA

Solar Reflective Index when made with:

Gray Cement
31.5

White Cement
35.7



NAVAJO

Solar Reflective Index when made with:

Gray Cement
33.8

White Cement
51.8



CHEROKEE RED

Solar Reflective Index when made with:

Gray Cement
35.5

White Cement
53.4



TAHOE RED

Solar Reflective Index when made with:

Gray Cement

White Cement
29.5



BRICK RED

Solar Reflective Index when made with:

Gray Cement
36.4

White Cement
58.0



TILE RED

Solar Reflective Index when made with:

Gray Cement
37.1

White Cement
62.2



TERRA COTTA

Solar Reflective Index when made with:

Gray Cement
31.7

White Cement
62.0



PHILLY BLUE

Solar Reflective Index when made with:

Gray Cement
34.8

White Cement
54.9



SLATE

Solar Reflective Index when made with:

Gray Cement
29.0

White Cement
44.3



EURO SLATE

Solar Reflective Index when made with:

Gray Cement
33.4

White Cement
44.5



PEWTER

Solar Reflective Index when made with:

Gray Cement
41.9

White Cement
64.6



SUN BUFF

Solar Reflective Index when made with:

Gray Cement
46.1

White Cement
83.1



EURO GRAY

Solar Reflective Index when made with:

Gray Cement
29.6

White Cement
45.4



SILVER GRAY

Solar Reflective Index when made with:

Gray Cement

White Cement
42.2



SOFT GRAY

Solar Reflective Index when made with:

Gray Cement

White Cement
52.5



NOTE: This color chart is for reference purposes only. Euclid Chemical recommends choosing colors from actual test samples.

WHAT IS SRI?

Solar Reflective Index, or SRI, incorporates both solar reflectance and thermal emissivity in a single value. The higher the SRI value, the more light the surface reflects which results in cooler concrete. Cooler concrete will transfer less heat back in to the surrounding air. All this reduces what is known as the Heat Island Effect. Cooler hardscaping surfaces not only reduce energy needs but are better for the environment.

LEED

Leadership In Energy & Environmental Design

The distinctive colors of Euclid Chemical's Increte Color-Crete when utilized to create hardscape materials of high SRI values contribute to LEED points when these surfaces provide a SRI with a minimum of 29 or higher*.

*as determined by ASTM E903 or ASTM C1549

COLOR-CRETE

Color-Crete integral color transforms plain concrete into a workable artistic material that can match or highlight any theme or décor. Color-Crete is ideal for projects of any size, residential, commercial, or public and can be used with a variety of different finishing techniques including, broomed, stamped, exposed aggregate, and polished concrete. Color-Crete is the decorative product of choice for flat work, vertical pours, and pre-cast applications.

SRI values can vary from slab to slab and are influenced by many factors including differences in raw materials and finishing techniques. If SRI values are critical on your project, a mock up should be made using the same raws and techniques as will be used on the final project following the guidelines set forth in the job specifications

LEED CATEGORY SUSTAINABLE SITES	1 Point	Credit SS 7.1 Heat Island Effect - Non Roof
New Construction-Retail Existing Building Schools Healthcare Core & Shell		<p><i>The use of a combination of outlined strategies for 50% of the site hardscape including roads, sidewalks, courtyards and parking lots.</i></p> <ul style="list-style-type: none"> • <i>Use hardscape materials with an SRI of at least 29</i> • Provide shade from existing tree canopy or within 5 years of landscape installation. Landscaping (trees) • Provide shade from structures covered by solar panels that produce energy to offset some nonrenewable resource use. • Provide shade from architectural devices or structures that have a solar reflective index of at least 29. • Use an open-grid pavement system (at least 50% pervious)

LEED CATEGORY INNOVATION IN DESIGN	1-5 Points	Credit ID 1 Innovation in Design
New Construction-Retail Existing Building Schools Healthcare Core & Shell		<p><i>Substantially exceed a LEED 2009 performance credit. Apply strategies or measures that demonstrate a comprehensive approach and quantifiable environment and/or health benefits.</i></p> <ul style="list-style-type: none"> • PATH 1. Innovation in Design (1-5 Points) Achieve significant, measurable environmental performance using strategy not addressed in the LEED 2009 Rating System. • PATH 2. Exemplary Performance (1-3 Points) Achieve exemplary performance in an existing LEED 2009 prerequisite or credit that allows exemplary performance.



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