

# **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 Opague Surfaces"



#### **PUEBLO**

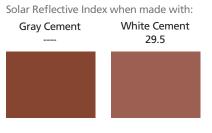
Solar Reflective Index when made with:



#### **CORDOVA**

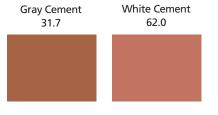


## **TAHOE RED**



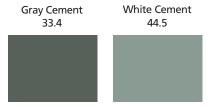
# **TERRA COTTA**

Solar Reflective Index when made with:

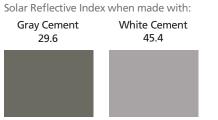


# **EURO SLATE**

Solar Reflective Index when made with:



# **EURO GRAY**

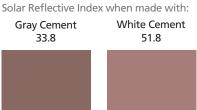


# TIERRA

Solar Reflective Index when made with:



# **NAVAJO**

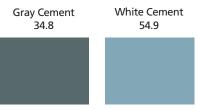


#### **BRICK RED**

Solar Reflective Index when made with: Gray Cement White Cement 36.4 58.0

# PHILLY BLUE

Solar Reflective Index when made with:



# PEWTER

Solar Reflective Index when made with: White Cement Gray Cement 64.6 41.9

#### **SILVER GRAY**

Solar Reflective Index when made with: Gray Cement White Cement



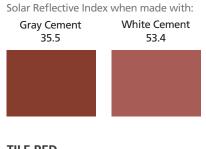
NOTE: This color chart is for reference purposes only. Euclid Chemical recommends choosing colors from actual test samples.

# **SEDONA**

Solar Reflective Index when made with:

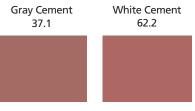


#### **CHEROKEE RED**



#### **TILE RED**

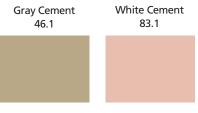
Solar Reflective Index when made with:



#### **SLATE** Solar Reflective Index when made with: White Cement Gray Cement 44.3 29.0

**SUN BUFF** 

Solar Reflective Index when made with:



#### SOFT GRAY



#### 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		The use of a combination of outlined strategies for 50% of the site hardscape including roads, sidewalks, courtyards and parking lots.
		<ul> <li><u>Use hardscape materials with an SRI of at least 29</u></li> <li>Provide shade from existing tree canopy or within 5 years of landscape installation. Landscaping (trees)</li> </ul>
		<ul> <li>Provide shade from structures covered by solar panels that produce energy to offset some nonrenewable resource use.</li> <li>Provide shade from architectural devices or structures that have a solar reflective index of at least 29.</li> </ul>
		Use an open-grid pavement system (at least 50% pervious)

LEED CATEGORY INOVATION IN DESIGN	1-5 Points	Credit ID 1 Innovation in Design
New Construction-Retail Existing Building Schools Healthcare Core & Shell		Substantially exceed a LEED 2009 performance credit. Apply strategies or measures that demonstrate a comprehensive approach and quantifiable environment and/or health benefits.
		<ul> <li>PATH 1. Innovation in Design (1-5 Points) Acheve significant, measurable environmental performance using strategy not addressed in the LEED 2009 Rating System.</li> </ul>
		<ul> <li>PATH 2. Exemplary Performance (1-3 Points) Achieve exemplary performance in an existing LEED 2009 prerequisite or credit that allows examplary performance.</li> </ul>

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