



**Decorative Concrete
Technology**

A Division of The Euclid Chemical Company

LEED DATA SHEET

COLOR-CRETE INTEGRAL COLOR

Solar Reflective Index Values

The Source for Quality Decorative Concrete Color

INCRETE SYSTEMS COLOR-CRETE INTEGRAL

Available in both powder and liquid, Color-Crete is an admixture of specially formulated iron-oxide pigments to integrally color concrete. The spectrum of 35 standard colors are designed for use with slab on grade, cast-in-place, precast, tilt-up, pavers and all cementitious materials.

SRI VALUES

The distinctive colors of Increte Systems' Color-Crete when utilized to create hardscape materials of High-SRI Concrete contributes to LEED points when these surfaces provide a Solar Reflective Index (SRI) with a minimum of 29 or higher as determined by ASTM E903 or ASTM C1549.

LEED CATAGORY SUSTAINABLE SITES	1 Point	Credit SS 7.1 Heat Island Effect - Non Roof
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New Construction-Retail
Existing Building
Schools
Heathcare
Core & Shell

The use of a combination of outlined strategies for 50% of the site hardscape including roads, sidewalks, courtyards and parking lots.

- Use hardscape materials with an SRI of at least 29
- 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 CATAGORY INNOVATION IN DESIGN	1-5 Points	Credit ID 1 Innovation in Design
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New Construction-Retail
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Substantially exceed a LEED 2009 performance credit. Apply strategies or measures that demonstrate a comprehensive approach and quantifiable environment and/or health benefits.

- 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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LEED CATAGORY

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

<u>Color-Crete Integral Color</u>	<u>SRI*</u>	<u>SRI**</u>	<u>Color-Crete Integral Color</u>	<u>SRI*</u>	<u>SRI**</u>
Fiesta	34.9	50.2	Sandstone	41.9	78.4
Maplewood	37.7	66.2	Cordova	31.5	35.7
Sun Buff	46.1	83.1	Sombra	40.6	66.0
Phoenix Tan	36.7	54.1	Euro Gray	29.6	45.4
Tile Red	37.1	62.2	Brick Red	36.4	58.0
Navajo	33.8	51.8	Pewter	41.9	64.6
Slate	29.0	44.3	Yuma Gold	36.3	69.9
Pecos Beige	35.6	70.7	Tierra	33.0	66.2
Tahoe Red	----	29.5	Terra Cotta	31.7	62.0
Sedona	----	33.1	Saltillo	39.1	70.3
Euro Slate	33.4	44.5	Cherokee Red	35.3	53.4
Soft Gray	----	52.5	Silver Gray	----	42.2
Sand Buff	----	39.6	Pueblo	35.7	51.0
Austin Buff	40.5	70.6	Desert Tan	30.6	35.9
San Jose Buff	34.6	72.6	Philly Blue	34.8	54.9

*Test samples made with med. gray type I/II portland cement

**Test samples made using white portland cement

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"