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### Davis Colors™ Iron Oxide Black/Chromium Oxide Green Blend 3685

#### Description

Davis Colors™ Green 3685 is a concentrated black/green color pigment expressly manufactured for mixing into concrete. Davis Colors™ Green 3685 is a homogeneous blend of synthetic iron oxide black and chromium oxide green pigment blended and refined in large batches on intensive-grinding equipment so that it readily mixes into concrete for maximum color development. Each batch is measured throughout the process and verified on spectrophotometer equipment to certify it is on standard for tint strength and shade. It contains less than one-half of one percent of water-soluble salts, the remainder is insoluble in water. It is fast to sunlight, resistant to alkali, chemicals and weak acids, and free of calcium sulfate. The fineness is less than 0.2% retained on a 325 mesh screen. When incorporated into concrete mixes at 3 pounds per sack of cement, 3685 produces concrete color "Green Slate" as referenced to the Davis Colors color card. Davis Colors Green 3685 complies with all respects of ASTM C-979 Standards for Integral Concrete Colors. *Uses: Concrete, plaster, mortar and grout.*

#### Composition/Typical Properties

Fe <sub>3</sub> O <sub>4</sub> content (%)	5 – 50
Cr <sub>2</sub> O <sub>3</sub> content (%)	25 – 75
Oil Absorption (g/100g)	20
Weight per Gallon (lbs)	41.5
Specific Gravity (g/cm <sup>3</sup> )	4.9
325 Mesh Retention (%)	0.15
Water Soluble Salts (%)	<0.8
Moisture Content (%)	<0.5
Ignition Loss (%)	<1.5
pH	5 – 7
Particle Shape	Spheroidal
Predominant Particle Size (µm)	0.2 – 0.3

#### Typical Trace Metal Content in Parts Per Million (ppm)

Arsenic (As)	<5
Barium (Ba)	<5
Cadmium (Cd)	<1
Chromium (VI) (Cr) Soluble	<500
Lead (Pb)	<10
Mercury (Hg)	<2
Selenium (Se)	<2
Zinc (Zn)	<1

*The values for typical contents and trace metals are provided as general information only. They are approximate values for reference and not specifications utilized in our standard QC procedures for color and consistency.*

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