



Davis Colors™ 677

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Pigment Bown 7 • Color Index No. 77491 • CAS: Mixture

Davis Colors™ Blended Synthetic Iron Oxide Oak 677

Description

Davis Colors™ 677 is a dark brown, high-tinting strength blend of yellow, red and black synthetic iron oxide primary pigments. It is manufactured in large batches on intensive grinding and blending equipment. Each batch is measured throughout the process and verified on spectrophotometer to certify its conformance with standards for tint strength and shade. It meets ASTM C979-82 standards and therefore is suitable to color products made with cement. Davis Colors™ 677 is color-stable in processing temperatures below 180°C (365°F). It is of sufficient purity for use in packaging or articles that come in contact with food (21CFR), but not suitable for the direct coloration of pet food or cosmetics. All Davis Colors™ iron oxides are manufactured under strict QC and environmental controls for reliable and consistent quality, stable under exposure to sunlight and UV radiation and are alkali, chemical and weather resistant. Davis Colors™ 677 is packaged in 50 pound multiwall paper bags and shrink-wrapped onto pallets of 2000 pounds and also available in Mix-Ready® disintegrating bags and True-Tone™ Mortar Color Boxes. *Uses: concrete, masonry, pavers, roof tile, brick, stone, stucco and plaster.*

Composition/Typical Properties

Fe ₂ O ₃ content (%)	93 – 94
SiO ₂ content (%)	2
Oil Absorption (g/100g)	32
Weight per Gallon (lbs)	37.80
One Pound Bulks	.02652
Specific Gravity (g/cm ³)	4.55
325 Mesh Retention (%)	<0.3
Water Soluble Salts (%)	<0.5
Ignition Loss (%)	1
Moisture & Other Volatile (%)	0.3
pH	4 – 7
Particle Shape	Mixture
Predominant Particle Size (µm)	0.3 – 1.2

Typical Trace Metal Content in Parts Per Million (ppm)

Arsenic (As)	<5
Antimony (Sb)	<5
Cadmium (Cd)	<1
Chromium (III) (Cr)	<400
Copper (Cu)	<400
Lead (Pb)	<10
Mercury (Hg)	<1
Nickel (Ni)	<100
Selenium (Se)	<2

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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