

## Davis Colors™ Blended Synthetic Iron Oxide Buff 5447

### Description

Davis Colors™ 5447 is light buff-shade high-tinting strength blend of yellow and red 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™ 5447 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™ 5447 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

|                                                       |           |
|-------------------------------------------------------|-----------|
| Iron Oxide content (%Fe <sub>2</sub> O <sub>3</sub> ) | 89 – 90   |
| Silicon Dioxide (%SiO <sub>2</sub> )                  | <1        |
| Oil Absorption (g/100g)                               | 35        |
| Weight per Gallon (lbs)                               | 38        |
| Specific Gravity (g/cm <sup>3</sup> )                 | 4.6       |
| One Pound Bulks                                       | .02865    |
| 325 Mesh Retention (%)                                | 0.3       |
| Water Soluble Salts (%)                               | 0.4       |
| Moisture & Volatile (%)                               | <0.5      |
| Ignition Loss (%)                                     | 10        |
| pH                                                    | 5.0       |
| Particle Shape                                        | Mixture   |
| Predominant Particle Size (µm)                        | 0.1 – 0.8 |

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

|                     |      |
|---------------------|------|
| Arsenic (As)        | <10  |
| Antimony (Sb)       | <10  |
| Cadmium (Cd)        | <1   |
| Chromium (III) (Cr) | <350 |
| Copper (Cu)         | <300 |
| Lead (Pb)           | <5   |
| Mercury (Hg)        | <1   |
| Nickel (Ni)         | <50  |
| 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.*