

Davis Colors™ Supra-Instant® Carbon Black 8084

Description

Supra-Instant® 8084 is a concentrated carbon black (lampblack) pigment expressly manufactured for mixing into concrete. Supra-Instant® 8084 is treated in a proprietary process with dispersing agents so that it readily mixes into concrete for maximum color power. It is extremely strong; approximately five times stronger than metal-based pigments and has a deep, jet-blue shade. Supra-Instant® 8084 is stable to sunlight and UV radiation, alkali resistant and contains no calcium sulfate. Weather resistance is good, however carbon black can migrate out of concrete in one to four years unless protected from water exposure and evaporation. Sealing concrete or using a high-strength mix to reduce water permeability can eliminate this effect. Supra-Instant® 8084 meets ASTM D209 *Standard Specification for Lampblack Pigment* and complies with all respects of ASTM C-979 *Standards for Integral Concrete Colors* except it effects air-entrainment. Because of the effect on air entrainment, we cannot certify that 8084 complies with ASTM C-979. Monitor mix air content and increase air-entraining admix level if used with this product. It is not recommended for use in concrete masonry, pavers, roof tile or concrete stone. Standard package is 25 Lb. multiwall paper bags, shrink-wrapped onto pallets of 1250 Lbs. Also available in Mix-Ready® disintegrating bags and True-Tone™ Boxes. *Uses: concrete, mortar, paint, plastics, rubber, stucco and plaster.*

Composition/Typical Properties

Carbon content (%)	90
Weight per Gallon (lbs)	13.2
Specific Gravity (g/cm ³)	1.62
325 Mesh Retention (%)	<0.2
Water Soluble Salts (%)	<0.5
Moisture (%)	4
Ignition Loss (%)	98
pH	6 – 8
Particle Shape	Spherical
Predominant Particle Size (µm)	75

Typical Trace Metal Content in Parts Per Million (ppm)

Arsenic (As)	<0.5
Antimony (Sb)	<1
Barium (Ba)	<1
Cadmium (Cd)	<0.5
Chromium (III) (Cr)	<0.4
Copper (Cu)	<0.3
Lead (Pb)	<0.5
Mercury (Hg)	<0.05
Nickel (Ni)	<0.08
Selenium (Se)	<1
Zinc (Zn)	<0.5

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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