

Technical Data Sheet

FERRISPEC® XB Series

Iron Oxide Black

FERRISPEC® XB series from Venator Materials, is a unique line of iron oxide black pigments. All black pigments are carefully controlled for tint and strength. They are available in different color strength and tint shade. The pigments listed below represent the most popular black shades.

XB Products: XB5099, XB5099CPAC, XB5515, XB5523, XB5500, XB5599, XB5700, XB5799, XB5800

FERRISPEC® XB products provide the performance to meet or exceed the highest standards set by the concrete industry, including European Standard EN 12878:2005 and ASTM specifications C979-82. They provide maximum tinting strength, durability and excellent chemical resistance. In addition, they are engineered to assure excellent water wettability, alkali resistance, curing stability and light-fastness.

FERRISPEC® XB products are widely used in the pigmentation of concrete products, including architectural masonry blocks and bricks, segmented retaining walls and garden units, interlocking pavers, patio blocks, stucco, grouts, mortars and roof tiles, as well as asphalt pavements and roads, asphalt roofing shingles, and ready-mixed concrete. They can be safely used in amounts up to 10% by weight of cement without affecting concrete strength.

TYPICAL PROPERTITES

Color Index	77499 (Pigment Black 11)
Formula	Fe ₃ O ₄
Particle Shape	Cubic
Color Difference (CIElab), DE	1.0 max
Tinting Strength, %	95.0-105.0
pH	5.0-8.0
Moisture, %	0.60
Water Soluble Salts, %	0.50
+325 Mesh Retention, %	0.200
Soluble Chloride, %	0.0050
Total Chloride, %	0.0070

Notes:

1. EN12878:2005: Pigments for the Coloring of Building Materials Based on Cement and/or Lime specifications and method of test.
2. ASTM C979-82: Standard Specification for Pigments for Integrally Colored Concrete (Re-approved 1993).

The information contained in this data sheet is derived from analysis of a typical batch of each product. It is given for information purposes only, without guarantee, and does not constitute a product specification.

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