



The Shepherd Color Company
We Brighten Lives

TECHNICAL DATA SHEET

TDS #215
Revision 5
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BLUE 10K525

C.I. Pigment Blue 28
CAS # 1345-16-0*

DESCRIPTION: A dark blue powder produced by solid-state reactions at high temperatures. This pigment has good UV and visible opacity, good acid and alkali resistance, is chemically inert, heat resistant, and stable to ultraviolet light. It is non-bleeding and non-migratory. It complies with ASTM C979 (Pigments for Integrally Colored Concrete). Typical applications (non inclusive) are concrete, stucco, grout, and ceramic bodies and glazes.

COMPOSITION: Cobalt and Aluminum

Physical/Chemical Property	Typical Value	Units	Test Method+
Specific Gravity	4.2	n/a	SCTM 312
Loose Packing Density	4 0.5	lbs./gal kg/L	SCTM 194
Surface Area (BET)	13.5	m ² /g	SCTM 153
Percent Moisture	0.5	wt. %	SCTM 248
Mean Particle Size	1.0	microns	SCTM 348
Conductivity	481	μS/cm	SCTM 142
Oil Absorption	30	parts oil/100 parts pigment	SCTM134
pH	8.8	n/a	SCTM 101
Residue 325 Mesh	0.01	wt. %	SCTM 135
Heat Stability	1500 800	°F °C	Observed

+SCTM refers to Shepherd Color Testing Method

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