



The Shepherd Color Company
We Brighten Lives



DYNAMIX

TDS #287
Revision 5
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TECHNICAL DATA SHEET

BLUE 30C591

C.I. Pigment Blue 28

CAS # 1345-16-0*

DESCRIPTION: A dark blue powder produced by high temperature calcinations. This pigment has good UV and visible opacity, is chemically inert, heat resistant, and stable to ultraviolet light. It is non-bleeding and non-migratory. It has exceptional durability and hiding power, and is generally used in applications where resistance to heat, light, and weather are needed. It is compatible with most resin systems and polymers, and is non-warping. Typical applications (non inclusive) are liquid and powder coatings, inks, dispersions, concrete, plastics, and other applications where equivalent pigment chemistry is used.

This product is very easily dispersible, does not need grinding for dispersion and can simply be stirred in using most laboratory and production equipment to achieve full dispersion.

COMPOSITION: Cobalt and Aluminum

Physical/Chemical Property	Typical Value	Units	Test Method+
Specific Gravity	4.1	n/a	SCTM 312
Loose Packing Density	2.8	lbs./gal	SCTM 194
	0.33	kg/L	
Surface Area (BET)	18.1	m ² /g	SCTM 153
Percent Moisture	0.6	wt. %	SCTM 248
Mean Particle Size	0.9	microns	SCTM 348
Conductivity	75	μS/cm	SCTM 142
Oil Absorption	33	parts oil/100 parts pigment	SCTM134
pH	5.1	n/a	SCTM 101
Residue 325 Mesh	0.01	wt. %	SCTM 135
Heat Stability	1500	°F	Observed
	800	°C	

+SCTM refers to Shepherd Color Testing Method

Issued by: Brian Schwer-Technical Manager Issue Date: February 11, 2015

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