

Sudatherm™ Cobalt Blue 6421C

Pigment for Coatings

Product Description

Sudatherm Cobalt Blue 6421C is produced by high temperature calcination. This pigment has good opacity, is chemically inert, high heat resistant & stable to ultraviolet light. It has exceptional durability & is generally used in applications where resistance to heat, light, & weather are prerequisites.

Product Information

Chemical Type	CoAl ₂ O ₄	CAS NO.	1345-16-0
C. I. Name	Pigment Blue 28	EINECS / ELINCS NO.	215-610-4
C. I. Constitution No.	77346	Physical Appearance	Blue powder

Application Profile

Decorative Solvent Base Paints	●	Decorative Universal Stainers	--
Industrial Paints	●	Decorative Water Base Paints	○
Automotive OEM	○	Powder Coatings	●
Automotive Refinish	○	Coil Coatings	●

● Recommend | ○ Potential Use | -- Not recommended

Technical Performance

Heat Stability	Overspray Fastness		Full Shade
>500°C	5	Weather Resistance	5
		Light Fastness	8

Physical Properties

Oil Absorption	28 ± 10%	Bleeding in Xylene	5
Specific Gravity	4.31 ± 0.1	Bleeding in Methyl Ethyl Ketone	5
Bulk Density (g/ml)	0.48 ± 0.1	Bleeding in Ethyl Acetate	5
pH Value	6 - 8	Bleeding in Cellosolve	5
Volatile Matter	1% max	Bleeding in Mineral Turpentine	5
Resistance to Acid	5		
Resistance to Alkali	5		

- ✓ **Light fastness:** Light fastness rating is assessed on 1 to 8 Blue Wool scale where 1 = 'Poor' and 8 = 'Excellent'.
- ✓ **Weather fastness:** Weather fastness rating is assessed on 1 to 5 Grey scale where 1 = 'Poor' and 5 = 'Excellent'.
- ✓ **Heat stability:** Heat stability values given indicate the maximum temperature at which the pigments can be stored for 10 min. in the full shade and in reductions without undergoing any significant change in shade.
- ✓ **Oil absorption:** The oil absorption is determined on the basis of EN ISO 787-5 and given in linseed oil per 100 gm. pigment.
- ✓ **Solvent bleeding:** The bleeding in solvents is tested using the powder grades and the visual rating given on 1 to 5 Grey scale where 1 = 'Heavy bleeding' and 5 = 'No bleeding'

Disclaimer –

The information given in this data sheet is based on the present state of our knowledge & is intended as a general description of our products & their possible applications. Neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Because of the multitude of formulations, production & application conditions, all the above mentioned data have to be adjusted to the circumstances of the processor. No liabilities, including those for patent rights, can be derived from this fact for individual cases. It cannot be ruled out that this product contains particles < 0.1 µm. Any user of this product is responsible for determining the suitability of Sudarshan's products for its particular application & to ensure that any proprietary rights & existing laws & legislation are observed.