

DCC YELLOW 2093

Bright Green Shade Yellow Inorganic Bismuth Vanadate Pigment



Working Together for Quality®

SPECIFICATIONS AND PROPERTIES

DESCRIPTION	
DCC Yellow 2093 is a bright green shade yellow pigment with high colour strength and opacity. DCC Yellow 2093 exhibits very good weather fastness and is used primarily in industrial and decorative paint applications.	

Chemical Type/Common Name	Inorganic / Bismuth Vanadate
Colour Index: Generic Name	Pigment Yellow 184
Colour Index: Constitution No.	771740
CAS Registry No.	14059-33-7
Chemical Name	Bismuth Vanadium Oxide

GENERAL SPECIFICATIONS	
Volatile Content (X005)	Max. 1.0%
Conductivity (X017)	Max. 500 (µS/cm)
pH (X018)	6.0 – 8.0
Masstone Shade (L003)	Max. DE* 1.7, DL* ±1.0, DC* ±1.0, DH* ±1.0
Tint (L003)	Strength 100 ± 10% , Max. DE* 1.7, DL* ±1.0, DC* ±1.0, DH* ±1.0
Tint after adjusted strength (L003)	Max. DE* 1.7, DL* ±1.0, DC* ±1.0, DH* ±1.0

PHYSICAL PROPERTIES	
Specific gravity	5.9 g/cm ³
Oil absorption	34 g/100g
Bulk density	0.5 kg/L
Bulk volume	2.0 L/kg
Specific surface area	9.6 m ² /g

PROPERTIES					
Ethyl acetate	Excellent	Soap	Excellent		
MEK	Excellent	Ethyl alcohol	Excellent		
Wax (Paraffin)	Excellent	Mineral spirits	Excellent		
Water	Excellent	Xylene	Excellent		
Dilute acid (0.5N)	Very Good - Excellent	Dilute alkali (2.5%)	Excellent		
Over-paint bleed resistance (120°C/30 minutes) - Excellent					
Heat Resistance: 120°C/60 minutes – Excellent 150°C/10 minutes – Excellent 200°C/10 minutes – Excellent					
Weather fastness*) Full Shade	4-5	Weather fastness*) Tint 1:1 TiO2	5	Weather fastness*) Tint 1:10 TiO2	5
Light fastness Full Shade	Excellent	Light fastness Tint 1:1 TiO2	Excellent	Light fastness Tint 1:10 TiO2	Excellent

*) Assessment was made using the ISO Grey Scale R105 A02 (1 = severe change, 5 = no change)

RECOMMENDED APPLICATIONS FOR COATINGS			
Architectural Water & Universal	●	Coil Coatings	●
Architectural Solvent	●	Automotive Coatings	■
Industrial Fast Air Drying	●	Powder Coatings	●
Industrial Oven Cured	●		

● Recommended ■ Limited Use ○ Not Recommended

“Limited Use” for Automotive because of broader specification limits

WORLDWIDE INVENTORIES REGISTRATION STATUS					
Australia (AICS)	Registered	Canada (DSL)	Registered	China (IECSC)	Registered
Europe (EINECS)	Registered	Japan (ENCS)	Registered	Philippines (PICCS)	Registered
USA (TSCA)	Registered	New Zealand (NZIoC)	Registered	South Korea (KECI)	Registered

TECHNICAL SERVICE LAB APPROVAL		
QUALITY CONTROL LAB APPROVAL		
DATE OF ISSUE	21 st December 2011	PAGE 1 OF 1 Ver. # 4.0