

DCC YELLOW 7251

Clean Green Shade Benzimidazole Yellow Pigment



Working Together for Quality®

SPECIFICATIONS AND PROPERTIES

DESCRIPTION

DCC Yellow 7251 is a high performance green shade yellow pigment for use in high-end coating applications. It can be used in all coatings but is recommended for the highest end coatings applications where very good weatherfastness and heat stability are required. It has good gloss retention, tinctorial strength and enhanced outdoor durability.

Chemical Type/Common Name	Organic / Benzimidazolone Yellow
Colour Index: Generic Name	Pigment Yellow 151
Colour Index: Constitution No.	13980
CAS Registry No.	31837-42-0
Chemical Name	2-[[1-[[[(2,3-Dihydro-2-oxo-1H-benzimidazol-5-yl) amino] carbonyl]-2-oxopropyl]azo]benzoic acid

SPECIFICATIONS

Masstone Shade	Max. Delta E* 1.5 of Standard (DCC TM 1235A)
Tint Strength (apparent)	± 5% of Standard (DCC TM 1235A)
Shade & strength determinations are made with the aid of a MacBeth Colour Computer, under the following conditions: CIELAB, 10 degree observer, D65 light source, UV & gloss included.	

PHYSICAL PROPERTIES

Specific Gravity	1.50	(DCC TM 3101B)
Oil Absorption	33	(ASTM D-281-84- Fasig Method)
Moisture	≤1.0% max.	(ASTM D-280-81)
% Halogen Content	0	

PROPERTIES

Ethyl Acetate	Excellent	D.B.P.	Excellent
Glycol	Good	Ethyl Alcohol	Very Good
MEK	Excellent	Linseed oil	Excellent
Wax (Paraffin)	Excellent	Mineral Spirits	Excellent
Water	Excellent	Xylene	Excellent
Dilute Acid	Very Good	Dilute Alkali	Poor
Heat Resistance:	200°C/10 minutes - Excellent		
Over-paint bleed resistance	(120°C/30 minutes) - Excellent		
Weatherfastness *) Full Strength	5	Weatherfastness *) TiO₂ Tint	4

*) 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			

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

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