# DCC BLUE 3153

*Phthalo Blue Pigment*

Working Together for Quality®

## SPECIFICATIONS AND PROPERTIES

| DESCRIPTION |
|---|
| DCC Blue 3153 is a phthalocyanine blue pigment for use in high-end coatings applications. It has excellent performance properties including, colour strength, heat stability, light and weather fastness and chemical resistance. |

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|---|---|
| ***Chemical Type/Common Name*** | Organic / Copper Phthalocyanine Blue |
| ***Colour Index: Generic Name*** | Pigment Blue 15:3 |
| ***CAS Registry No.*** | 147-14-8 |
| ***Chemical Name*** | Polychloro copper phthalocyanine |

| SPECIFICATIONS | | |
|---|---|---|
| **Masstone Shade** | Max. Delta E* 2.0 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. | | |
| **Note**: Test Methods available from DCC on request. | | |

| PHYSICAL PROPERTIES | | |
|---|---|---|
| **Specific Gravity** | 1.54 | (DCC TM 3101B) |
| **Oil Absorption** | 40 | (ASTM D-281-84- Fasig Method) |
| **Moisture** | 2.0% max. | (ASTM D-280-81) |

| PROPERTIES | | | |
|---|---|---|---|
| **Ethyl Acetate** | Excellent | **D.B.P.** | Excellent |
| **Glycol** | Excellent | **Ethyl Alcohol** | Excellent |
| **MEK** | Excellent | **Linseed oil** | Excellent |
| **Wax (Paraffin)** | Excellent | **Mineral Spirits** | Excellent |
| **Water** | Very Good | **Xylene** | Excellent |
| **Dilute Acid** | Very Good | **Dilute Alkali** | Excellent |
| **Heat Resistance:** | 200°C/10 minutes – Excellent | | |
| **Weatherfastness *)<br>Full Strength** | 5 | **Weatherfastness *)<br>$TiO_2$ Tint** | 5 |

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

| RECOMMENDED APPLICATIONS | | | |
|---|---|---|---|
| **Architectural Water & Universal** | ● | **Coil Coatings** | ● |
| **Architectural Solvent** | ● | **Automotive Coatings** | ● |
| **Industrial Fast Air Drying** | ● | **Powder Coatings** | ● |
| **Industrial Oven Cured** | ● | | |
| ● Frequently used | ■ Limited Use | ○ Not Normally Used | |

| 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 |

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|---|---|---|---|
| ***TECHNICAL SERVICE LAB APPROVAL*** | | | |
| ***QUALITY CONTROL LAB APPROVAL*** | | | |
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The information provided is based on extensive use and laboratory testing and is believed to be a reliable indication of the results that may be expected. The data is offered only as a guide to performance, without guarantee or warranty of any kind. Since many variables have a strong influence on pigment performance the user is encouraged to evaluate each product in their own laboratory.