

# DCC BLUE A3RJ

Strong Red Shade Blue



Working Together for Quality®

## SPECIFICATIONS AND PROPERTIES

### DESCRIPTION

DCC Blue A3RJ is a strong red shade, highly saturated blue pigment that combines very good tinctorial properties with excellent fastness to light, weather, chemical and solvents.

<b>Chemical Type/Common Name</b>	Organic / Indanthrone
<b>Colour Index: Generic Name</b>	PB. 60 / Vat Blue 4
<b>Colour Index: Constitution No.</b>	69800
<b>CAS Registry No.</b>	81-77-6
<b>Chemical Name</b>	5,9,14,18-Anthrazintetrone, 6, 15-dihydro-

### SPECIFICATIONS

<b>Volatile content</b>	<1.0%
<b>Conductivity</b>	150 (µs/cm)
<b>pH</b>	5.5 – 8.5
<b>Solvent resistance</b>	>4
<b>Masstone</b>	Max. DE* 1.2, DL* ±0.5, DC* ±1.1, DH* ±0.6
<b>Masstone Visual Assessment – Transparency (L003)</b>	-2 (OP) /+2 (TR)
<b>Tint (L003)</b>	Strength ± 8% Max. DE* 1.4, DL* ±0.7, DC* ±1.3, DH* ±0.8

### PHYSICAL PROPERTIES

<b>Specific gravity</b>	1.46 g/cm <sup>3</sup>
<b>Oil absorption</b>	32 – 43 g/100g
<b>Specific surface area</b>	32.7 m <sup>2</sup> /g

### PROPERTIES

<b>Ethyl acetate</b>	Very good - Excellent	<b>Soap</b>	Excellent
<b>Acetone</b>	Very good - Excellent	<b>Toluene</b>	Very good - Excellent
<b>MEK</b>	Very good - Excellent	<b>Ethyl alcohol</b>	Excellent
<b>Wax (Paraffin)</b>	Excellent	<b>Mineral spirits</b>	Excellent
<b>DBP</b>	Very good -Excellent	<b>Naphtha</b>	Excellent
<b>Water</b>	Excellent	<b>Xylene</b>	Excellent
<b>Dilute acid (0.5N)</b>	Excellent	<b>Dilute alkali (2.5%)</b>	Excellent

### COATINGS SPECIFIC DATA

<b>Heat Resistance:</b>	150°C/30 minutes – Excellent	200°C/10 minutes – Excellent
<b>Over paint Bleed Resistance</b>	(130°C/30 minutes (N/C) - Excellent	
<b>Weather fastness *) Masstone</b>	5	<b>Weather fastness *) 1:10 TiO<sub>2</sub> Tint</b> 5
<b>Light fastness Masstone</b>	Excellent	<b>Light fastness 1:10 TiO<sub>2</sub> Tint</b> Excellent

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

### RECOMMENDED APPLICATIONS

<b>Agricultural &amp; Construction Equipment</b>	●	<b>Architectural Latex</b>	●
<b>Automotive OEM</b>	●	<b>Automotive Refinish &amp; Fleet</b>	●
<b>Building Products</b>	●	<b>Oil, Gas &amp; Marine</b>	●
● Frequently used	■ Limited Use	○ Not Normally Used	

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### INKS SPECIFIC DATA

Over lacquer resistance of litho prints – N/C (120°C/10 seconds) - Excellent

<b>Light fastness of Gravure Prints</b> 100% on paper 75% on paper 50% on paper	Excellent Excellent Excellent	<b>Light fastness of Gravure Prints</b> 100% on PVC 75% on PVC 50% on PVC	Excellent Excellent Excellent
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### RECOMMENDED APPLICATIONS

<b>Solvent Based Nitrocellulose Ink: alcohol rich</b>	●	<b>Solvent Based Polyurethane Ink</b>	●
<b>Solvent Based Nitrocellulose Ink: ester rich</b>	●	<b>Water Based Inks</b>	●
<b>Solvent Based Polyamide Ink</b>	●	<b>Lithographic Inks</b>	●
<b>UV Flexographic</b>	●	<b>UV Lithographic</b>	●

● Frequently used    ■ Limited Use    ○ Not Normally Used

### WORLDWIDE INVENTORIES REGISTRATION STATUS

<b>Australia (AICS)</b>	Registered	<b>Canada (DSL)</b>	Registered	<b>China</b>	Registered
<b>Europe (EINECS)</b>	Registered	<b>Japan</b>	Registered	<b>Philippines</b>	Registered
<b>USA (TSCA)</b>	Registered	<b>New Zealand</b>	Registered	<b>South Korea</b>	Registered

### TECHNICAL SERVICE LAB APPROVAL

### QUALITY CONTROL LAB APPROVAL

### DATE OF ISSUE

5<sup>th</sup> January 2016

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Ver. # 1.0

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.