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# DCC Blue A3R

**Description:** DCC Blue A3R is a red shade, highly saturated blue that combines very good tinctorial properties with excellent fastness properties. DCC Blue A3R is a highly transparent blue suitable for opaque and effect shades and is used in high-end coatings, plastics and ink applications.

<b>Chemical Type</b>	Indanthrone	<b>Constitution No.</b>	69800
<b>Color Index</b>	PB. 60 / Vat Blue 4	<b>CAS No.</b>	81-77-6

## Resistance Properties

<b>MEK</b>	4-5	<b>Ethanol</b>	5
<b>Water</b>	5	<b>Ethyl Acetate</b>	4-5
<b>Mineral Spirits</b>	5	<b>Acid</b>	5
<b>Xylene</b>	5	<b>Alkali</b>	5

Legend: 1=Poor, 2=Fair, 3=Good, 4=Very Good, 5=Excellent

## Product Characteristics

<b>Migration (1-5)</b>	5	<b>Lightfastness (1-8): Masstone</b>	8
<b>Heat Stability (°C/°F)</b>	200°C (Paints) 300°C (HDPE)	<b>Lightfastness (1-8): Tint 1:10</b>	8
<b>Warpage Rating (1-3) * Plastic Only</b>	2	<b>Weatherfastness (1-5): Masstone</b>	5
<b>Overpaint Resistance * Paints Only</b>	5	<b>Weatherfastness (1-5): Tint 1:10</b>	5

Warpage: 1 = minimal, 2 = some, 3 = severe    Weatherfastness: 1=Poor, 2=Fair, 3=Good, 4=Very Good, 5=Excellent    Lightfastness: 1-2=Poor, 3-4=Fair, 5=Good, 6-7=Very Good, 8=Excellent

## Physical Properties

<b>Particle Size (µm)</b>		<b>pH</b>	5.5 – 8.5
<b>Specific Surface Area (m²/g)</b>	32.7	<b>Specific Gravity</b>	1.5
<b>Oil Absorption (g/100g)</b>	37	<b>Bulk Density (kg/L)</b>	
<b>Moisture Content (%)</b>	<1.0%	<b>Bulk Volume (L/kg)</b>	

## Applications

Plastics		Coatings		Inks		Other	
PVC	■	Decorative	□	Water Flexo	□	Paper	
PE	■	Automotive/Aerospace	■	Solvent Flexo	■	Rubber	
PP	■	Industrial	■	InkJet	■	Finger Paints	
PS	■	Powder	■	UV	■	Seed Coatings	
PET	■			Offset	□		
Fiber	■						

□ Not Frequently Used    □ Limited    ■ Recommended

### Comments:

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