

**SUNTONE**  
ORGANIC PIGMENT POWDER



**VIPUL DYE CHEM LTD.**

Infinite possibilities...●●●



**VIPUL DYE-CHEM LTD.**

Infinite possibilities

**VDCL**, an ISO 9001 : 2008 certified company is one of the leading manufacturers of Dyestuff, Pigments and Intermediates for Dyes and Pigments etc. Established in the year 1968 VDCL is a public limited company listed in Mumbai, (India) stock exchange. VDCL has not only been serving domestic clients in India but also International clients across the globe. VDCL has been recognized as STAR EXPORT HOUSE by the Government of INDIA and is currently exporting to more than 42 countries worldwide.

**VDCL** has Six manufacturing factories to cater to its ever growing customers needs worldwide. Out of the Six Factories, in one of the factories, we are producing Pigment Intermediates. These includes Naphthols, Fast Colour Bases, 3,3 DCB, Ortho Dianisidine Di Hydrochloride, MNPT, 2,4,5-Trichloro Aniline, etc. From this intermediates we manufacture our own Pigment powder with stable and consistent quality. VDCL today has a manufacturing capacity of 4000 MT. Being a tech-savvy company we have a strong R&D team which has enabled us to come out with a number of new products. Our products are acknowledged and used by various Industries worldwide. We guarantee our customers for extremely high Standard of quality and a very competitive price.

Our Pigment Powder & Pigment Dispersions are marketed under the Brand Name of "**SUNTONE**". While preparing this particular colour catalogue, all the precautions have been taken so that, you as our valued customer can have the maximum information about our Pigments.

### **PHYSICAL PROPERTIES:**

Here, we have specified following information:

1. pH Value

2. Oil Absorption:

10 gm of Pigment is placed on a glass plate and acid refined linseed oil added from a burette in drops, and the paste rubbed to get a spreadable paste. The quantity of Oil required for 100gms, of Pigment is then calculated and express as ml. Oil/100gms. Pigment.

3. Specific Gravity in gms/cm<sup>3</sup>

## **FASTNESS PROPERTIES:**

### **1. Light Fastness:**

The prints of the Pigment dispersed in printing ink medium is exposed along with standard blue scale and rating express in 1 to 8 scale. 8 Denotes excellence and 1 denoting poor fastness.

### **2. Heat Resistance:**

A stoving paint of the Pigment is prepared in non-yellowing medium and applied to a tin panel. The temperature upto which there is negligible change in the shade after for 30 min. noted.

Even wherever we have mentioned that the Pigment is suitable to heat resistance, the extent to which they are suitable at a certain temperature differs according to the different variety of the same pigment.

Detailed information on the heat resistance is available separately on request.

### **3. Acid Resistance, Alkali Resistance, Water Resistance, Oil Resistance, Alcohol Resistance & Solvent Resistance are indicated by Grade 1 to 5 of Grey Scale according to the Standard.**

## **RECOMMENDED APPLICATIONS:**

### **1. PRINTING INK: We have checked our Pigments for the various kinds of Inks, as under:**

- Water Based Ink ( Acrylic Ink )
- Offset Ink
- Liquid Ink ( Solvent Based Ink )

### **2. PAINT APPLICATION:**

We have checked our Pigments for :

- Water Based Coating
- Industrial Paint

### **3. PLASTIC APPLICATION**

### **4. RUBBER**

### **5. TEXTILE PRINTING**

**SUNTONE ORGANIC PIGMENT POWDER**

Suntone Pigment	Colour Index No.	Full Shade	Tint Shade (1:10)
Yellow G Pigment Yellow 1	11680		
Yellow 10 G Pigment Yellow 3	11710		
Yellow DHG Pigment Yellow 12	21090		
Yellow GR Pigment Yellow 13	21100		
Yellow G Pigment Yellow 14	21095		
Yellow 2G Pigment Yellow 17	21105		
Yellow RN Pigment Yellow 65	11740		
Yellow 5GX Pigment Yellow 74	11741		
Yellow HR-O Pigment Yellow 83	21108		






Physical Data			Fastness properties							Application										
PH Value	Oil Absorption ml/100g	Specific Gravity g/cm <sup>3</sup>	Heat Resistance °C	Light Fastness	Acid Resistance	Alkali Resistance	Water Resistance	Oil Resistance	Alcohol	Offset Inks	Water-Based - Inks	PA Ink	PP Ink	NC Ink	Toluene base Inks	Industrial Paint	Water Coating	Textile Priming	plastic	Rubber
7.5	≤ 45	1.2-1.5	160	7	5	5	4.5	4	4	▼	▼	▽	▽		▽	▼	▼			
7.5	≤ 45	1.2-1.6	160	7	5	6	4.5	5	3	▽	▼	▽	▽	▼	▽	▽	▼			
6-8	≤ 50	1.4-1.6	180	4	5	5	4.5	5	4	▼	▼	▼	▼	▼	▼	▽	▼	▼	▽	▽
6-8	≤ 55	1.3-1.5	200	4-5	5	5	4.5	5	3	▼	▼			▼					▼	
7-8	≤ 40	1.5-1.7	160	4	5	5	5	4	4.5	▼	▼	▽	▽		▽	▽	▽	▼	▼	▼
6-8	≤ 55	1.4-1.6	160	5	5	5	5	4	4.5	▼	▽	▼	▽	▼	▽	▼		▽	▼	
6-7	≤ 55	1.5-1.6	150	6-7	5	5	5	4	4		▼					▼	▼	▽		
6-8	≤ 45	1.3-1.6	160	7	5	5	5	4	4	▽	▼						▼	▼	▼	
6-7	≤ 45	1.4-1.6	200	6	5	5	5	4	5		▼						▼	▼	▼	▽

Application

▼ = Recommended

▽ = Can be used

**SUNTONE ORGANIC PIGMENT POWDER**



















<b>Suntone Pigment</b>	<b>Colour Index No.</b>	<b>Full Shade</b>	<b>Tint Shade (1:10)</b>
Yellow HR Pigment Yellow 83	21108		
Yellow Pigment Yellow 139	56298		
Yellow H4G Pigment Yellow 151	13980		
Yellow H3G Pigment Yellow 154	11781		
Orange RN Pigment Orange 5	12075		
Orange G Pigment Orange 13	21110		
Orange RR Pigment Orange 16	21160		
Orange RL Pigment Orange 34	21115		
Orange HL Pigment Orange 36	11780		



Physical Data			Fastness properties							Application										
PH Value	Oil Absorption ml/100g	Specific Gravity g/cm <sup>3</sup>	Heat Resistance °C	Light Fastness	Acid Resistance	Alkali Resistance	Water Resistance	Oil Resistance	Alcohol	Offset Inks	Water-Based- Inks	PA Ink	PP Ink	NC Ink	Toluene base Inks	Industrial Paint	Water Coating	Textile Printing	plastic	Rubber
6-7	≤ 55	1.4-1.6	200	8	5	5	5	5	5	▼		▽	▽	▽	▽				▼	▽
6-7	≤ 50	1.6-1.7	260	7-8	5	5	5	5	5							▼	▼			
7	≤ 50	1.6	200	7-8	5	5	5	5	5			▽	▽	▽	▽	▼	▼			
7	≤ 55	1.6-1.7	200	7-8	5	5	5	5	5							▼	▼			
6-7	≤ 40	1.3-1.5	130	6	5	3	4	4	4		▼							▽	▼	
6-7	≤ 50	1.3-1.5	140	4-5	5	4	5	4	5	▼		▽	▽	▽	▽				▼	▽
6-7	≤ 40-45	1.5	200	5	4	4	4	4	4		▼	▽	▽	▼	▽			▽	▼	▼
6-7	≤ 40	1.4-1.6	180	6	4	5	4	5	4		▼					▼	▼	▼		
7-8	≤ 45	1.5	160	7-8	4	4	4	4	4							▼	▼	▼		▽

Application ▼ = Recommended ▽ = Can be used

**SUNTONE ORGANIC PIGMENT POWDER**



















Suntone Pigment	Colour Index No.	Full Shade	Tint Shade (1:10)
Red F2R Pigment Red 2	12310		
Red RN Pigment Red 3	12120		
Carmine FB Pigment Red 5	12490		
Red F4R Pigment Red 8	12335		
Bordeux F2R Pigment Red 12	12385		
Red N Pigment Red 22	12315		
Rose F2B Pigment Red 23	12355		
Red 2B Pigment Red 48.1	15865 : 1		
Red 2B Pigment Red 48.2	15865 : 2		



Physical Data			Fastness properties							Application										
PH Value	Oil Absorption ml/100g	Specific Gravity g/cm <sup>3</sup>	Heat Resistance °C	Light Fastness	Acid Resistance	Alkali Resistance	Water Resistance	Oil Resistance	Alcohol	Offset Inks	Water-Based- Inks	PA Ink	PP Ink	NC Ink	Toluene base Inks	Industrial Paint	Water Coating	Textile Printing	plastic	Rubber
6-8	≤ 50	1.3-1.5	120	6	4	4	4	4	5		▼			▽		▼	▼	▼		
6-8	≤ 50	1.3-1.5	120	6-7	4	4	5	4	5			▼				▼	▽			
6-7	≤ 55	1.4-1.6	200	6-7	5	5	5	4	4							▼	▽	▼		
6-7	≤ 55	1.4-1.6	120	5	5	4	4	4	4		▼	▼	▽		▽		▼	▼		
6-7	≤ 55	1.4-1.6	150	5	3	4-5	5	4	4		▼	▽	▽		▽		▼	▼		
6-8	≤ 55	1.3-1.5	140	5	4	3	4	3	3	▽	▼						▼	▼		
6-7	≤ 45	1.3-1.5	120	4	5	3	5	2	3	▽	▼	▽	▽	▽			▼	▼		
7-8	≤ 55	1.5-1.7	180	4	4	4	5	3	4-5		▼	▽	▽		▽	▽	▽		▼	▽
7-8	≤ 60	1.6-1.8	180	5	5	4	4-5	3	4	▽	▽	▼	▼	▼		▽			▼	▽

Application ▼ = Recommended ▽ = Can be used

**SUNTONE ORGANIC PIGMENT POWDER**

Suntone Pigment	Colour Index No.	Full Shade	Tint Shade (1:10)
Red 2B Pigment Red 48.3	15865 : 3		
Red 2B Pigment Red 48.4	15865 : 4		
Lithol Red R Pigment Red 49.1	15630 : 1		
Lithol Dark Red RB Pigment Red 49.2	15630 : 2		
Lithol Scarlet Red 6B Pigment Red 52.1	15860 : 1		
Lake Red LC Pigment Red 53.1	15585 : 1		
Lake Red C Pigment Red 53.1	15585 : 1		
Rubine Toner Pigment Red 57.1	15850 : 1		
Red BB Pigment Red 112	12370		



Physical Data			Fastness properties							Application										
PH Value	Oil Absorption ml/100g	Specific Gravity g/cm <sup>3</sup>	Heat Resistance °C	Light Fastness	Acid Resistance	Alkali Resistance	Water Resistance	Oil Resistance	Alcohol	Offset Inks	Water-Based- Inks	PA Ink	PP Ink	NC Ink	Toluene base Inks	Industrial Paint	Water Coating	Toxile Printing	plastic	Rubber
7-8	≤ 50	1.5-1.7	200	5	3	4	5	3	4		▼	▽	▽		▽				▼	▼
7-8	≤ 55	1.5-2.0	200	6	2	3	4	3	2		▼	▽	▽			▼	▼		▼	▽
7-8	≤ 40	1.4-1.8	130	4	5	3	4-5	3	3	▼	▼	▽	▽		▽	▼				
7-8	≤ 40	1.5-1.7	130	4	4	4	4	4	4	▼	▼	▽		▽	▽	▽				
7-8.5	≤ 55	1.4-1.8	180	5	3	3	3-4	4	4	▼	▼	▽	▽		▽	▼	▼		▼	▼
7-8	≤ 45	1.6-1.8	140	4	4	4-5	4	4	4	▼	▼	▽	▽	▽	▽					
7-8	≤ 45	1.6-1.8	130	4	4-5	4	4	4	4			▽	▽	▼	▼	▽			▽	▽
6-8	≤ 60	1.6-1.8	180	5	4	4	4	4	4	▽	▼	▼	▼	▼	▼				▽	▽
6-7	≤ 40	1.3-1.7	150	6-7	5	5	5	4	4		▼	▼		▼		▼	▼	▼		

Application ▼ = Recommended ▽ = Can be used

**SUNTONE ORGANIC PIGMENT POWDER**

Suntone Pigment	Colour Index No.	Full Shade	Tint Shade (1:10)
Red Pigment Red 122	73915		
Red FBB Pigment Red 146	12485		
Red F3RK Pigment Red 170	12475		
Red F5RK Pigment Red 170	12475		
Red F6RK Pigment Red 210	12477		
Red F7RK Pigment Red 266	12474		
Green 7 Pigment	74260		
Green 8 Pigment Green B	10006		
Violet Toner R Pigment Violet 3	42535 : 2		















Physical Data			Fastness properties							Application										
PH Value	Oil Absorption ml/100g	Specific Gravity g/cm <sup>3</sup>	Heat Resistance °C	Light Fastness	Acid Resistance	Alkali Resistance	Water Resistance	Oil Resistance	Alcohol	Offset Inks	Water-Based Inks	PA Ink	PP Ink	NC Ink	Toluene base Inks	Industrial Paint	Water Coating	Textile Printing	plastic	Rubber
6-8	≤ 50	1.4-1.6	250	7	5	5	5	5	5	▼	▼	▼	▼	▼	▽	▽		▽	▼	▼
6-8	≤ 50	1.3-1.5	160	6	5	5	5	5	5		▼	▼		▼		▼	▼	▼		
6-8	≤ 50	1.2-1.5	180	6	4	5	5	5	5	▽						▼	▼	▽	▼	▼
6-8	≤ 50	1.2-1.5	180	5	5	5	5	5	5							▼	▼	▽	▼	▼
6-7	≤ 50	1.3-1.5	160	6	5	5	5	5	5		▼					▼	▼	▼		
6-7	≤ 45	1.3-1.4	160	6-7	4	5	5	5	5		▼				▼			▼		
6-8	≤ 45	1.8-2	280	8	5	5	5	5	5	▼	▼	▼	▼	▼	▼	▽	▼	▼	▼	▼
6-7	≤ 45	1.6-1.8	200	6-7	5	5	5	5	5			▽				▼	▽	▼		▼
6-7	≤ 50	2.1-2.4	120	5	5	4	4	4	5	▼	▼			▼				▼		

Application ▼ = Recommended ▽ = Can be used



SUNTONE ORGANIC PIGMENT POWDER

Suntone Pigment	Colour Index No.	Full Shade	Tint Shade (1:10)
Violet 4R Pigment Violet 19	73900		
Violet RL Pigment Violet 23	51319		
Pigment Blue 15:0	74160		
Pigment Blue 15 : 1	74160		
Pigment Blue 15 : 3	74160		
Pigment Blue 15 : 4	74160		



Physical Data			Fastness properties							Application										
PH Value	Oil Absorption ml/100g	Specific Gravity g/cm <sup>3</sup>	Heat Resistance °C	Light Fastness	Acid Resistance	Alkali Resistance	Water Resistance	Oil Resistance	Alcohol	Offset Inks	Water-Based- Inks	PA Ink	PP Ink	NC Ink	Toluene base Inks	Industrial Paint	Water Coating	Textile Printing	plastic	Rubber
6-8	≤ 50	1.4-1.6	250	7	5	5	5	5	5	▼	▼	▼	▼	▼	▽	▽		▽	▼	▼
6-8	≤ 50	1.3-1.5	160	5	5	5	5	5	5		▼	▼		▼			▽	▼		
6-7	≤ 45	1.6-1.8	200	8	5	5	4	4	4	▼			▽		▽	▽	▽	▼	▼	
6-7	≤ 45	1.6-1.8	280	8	5	5	4	4	4	▼	▽	▽	▽						▼	
6-8	≤ 50	1.6-1.8	280	8	5	5	5	5	5	▼	▼	▼	▼	▼	▼	▼	▽	▼	▼	▼
6-7	≤ 45	1.6-1.8	260	8	5	5	5	5	5			▼	▼	▼	▼	▼				

Agent / Distributor / Dealer



**VIPUL DYE CHEM LTD.**

Infinite possibilities ●●●

Regd. Office :

102, Andheri Industrial Estate,  
Off. Veera Desai Road, Andheri (W),  
Mumbai - 400 053. (INDIA)

Tel.: +91-22- 6775 9999 / 2673 0764

Fax: +91-22-6775 9975 / 6775 9977

Email: [info@vipuldyes.com](mailto:info@vipuldyes.com)

web: [www.vipuldyes.com](http://www.vipuldyes.com)