pigments for
Offset inks

First choice for new formulations

SUDARSHAN
Sudarshan is a leading global producer of performance colorants, manufacturing an extensive range of Organic, Inorganic and Pearlescent pigments as well as Dispersions.

Sudarshan’s quality pigments and dispersions add outstanding performance, long term protection, brilliant color and special effect to the Coatings, Plastics, Printing Ink, Paper, Textile, Cosmetics and Construction Industries.

Each year, we invest substantially in R&D and Applications Service to support our customers technically and to extend our range of products to meet our customers’ requirements.

Sudarshan has over 60 years of manufacturing experience, with sales in more than 60 countries, wholly-owned subsidiaries in North America and Europe, a Representative Office in China and a strong footprint in Asia Pacific and Latin America.

Our quality, environment and safety systems are based on international standards and accredited with the British Safety Council’s Five Star rating, ISO 9001, ISO 14001, ISO 18000, ISO 17025 and OHSAS 18001:2007. Our improvement programs are being driven through 6-sigma methodology.

First choice for new formulations
Pigments for Offset inks

Sudafast™ Yellow 128C PY74

Sudacolor™ Yellow 192 PY174

Sudacolor™ Yellow 150 PY12

Sudacolor™ Yellow 169 PY13

Sudacolor™ Orange 203D PO34

Sudacolor™ Red 511 PR 53:1

Sudacolor™ Red 312 PR2
Publication and Commercial printing

Sudarshan produces a high quality range of classical organic pigments for the coloration of publication and commercial printing inks for magazines, direct mail and other commercial printing. Our products are commonly used in paste inks for heatset, sheet-fed, coldset, intaglio processes and in some cases UV curable inks.

Sudarshan process and spot colors

Our Cyan, Magenta and Yellow process pigments are highly dispersible, designed to achieve high pigments loading without adversely affecting the rheology of paste inks or the paint quality produced.

Color Reproduction

For technical reasons connected with color reproduction, the colors shown may not exactly match the pigment colors and do not represent a particular finish.
# Pigments for Offset inks

## Technical Information

<table>
<thead>
<tr>
<th>Product Name &amp; Code</th>
<th>CI Name</th>
<th>Opacity</th>
<th>Oil Absorption</th>
<th>Bulk density (g/ml)</th>
<th>Acid resistance</th>
<th>Alkali resistance</th>
<th>Soap Fastness</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sudafast™ Yellow 128C</td>
<td>PY 74</td>
<td>Transparent</td>
<td>27</td>
<td>0.60</td>
<td>4-5</td>
<td>4-5</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Sudacolor™ Yellow 150</td>
<td>PY 12</td>
<td>Opaque</td>
<td>46</td>
<td>0.30</td>
<td>3</td>
<td>3</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Sudacolor™ Yellow 143</td>
<td>PY 12</td>
<td>Semi-transparent</td>
<td>53</td>
<td>0.19</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Sudacolor™ Yellow 192</td>
<td>PY 174</td>
<td>Semi-transparent</td>
<td>31</td>
<td>0.39</td>
<td>5</td>
<td>2-3</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Sudacolor™ Yellow 169</td>
<td>PY 13</td>
<td>Semi-transparent</td>
<td>52</td>
<td>0.32</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Sudacolor™ Orange 203D</td>
<td>PO 13</td>
<td>Semi-transparent</td>
<td>42</td>
<td>0.30</td>
<td>3-4</td>
<td>3-4</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Sudacolor™ Orange 211D</td>
<td>PO 34</td>
<td>Transparent</td>
<td>56</td>
<td>0.30</td>
<td>4-5</td>
<td>4-5</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Sudacolor™ Red 511</td>
<td>PR 53:1</td>
<td>Semi-transparent</td>
<td>48</td>
<td>0.40</td>
<td>3-4</td>
<td>4-5</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Sudacolor™ Red 312</td>
<td>PR 2</td>
<td>Transparent</td>
<td>38</td>
<td>0.25</td>
<td>5</td>
<td>4-5</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sudacolor™ Red 314</td>
<td>PR 2</td>
<td>Transparent</td>
<td>55</td>
<td>0.24</td>
<td>3-4</td>
<td>3-4</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sudacolor™ Red 623</td>
<td>PR 57:1</td>
<td>Transparent</td>
<td>63</td>
<td>0.19</td>
<td>1-2</td>
<td>1-2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Sudacolor™ Red 626</td>
<td>PR 57:1</td>
<td>Transparent</td>
<td>65</td>
<td>0.35</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Sudafast™ Red 2973</td>
<td>PR 146</td>
<td>Transparent</td>
<td>57</td>
<td>0.23</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Sudafast™ Blue 2661D</td>
<td>PB 15:1</td>
<td>Transparent</td>
<td>38</td>
<td>0.41</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Sudafast™ Blue 2780D</td>
<td>PB 15:3</td>
<td>Transparent</td>
<td>34</td>
<td>0.35</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Sudafast™ Green 2727</td>
<td>PG 7</td>
<td>Transparent</td>
<td>30</td>
<td>0.42</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

* Suitable for application

### Note:
- The Soap fastness is assessed on a 1-5 Grey scale, where 1='Poor' and 5='Excellent'
- The acid & alkali resistance is tested using pigment powder & the visual rating is given on a 1-5 Grey scale, where 1='Poor' and 5='Excellent'

The values displayed in the Oil absorption are in tolerance of ± 10% & Bulk density values are in tolerance of ± 0.1

### Disclaimer:
The information included here is based on the most reliable data generated by our laboratories. Since the performance of a pigment also depends on the additives and polymers used, we recommend that customers should test the suitability of the pigment for their end application. However, if we are provided with testing methods and samples, we would be glad to do the same. We will do our best to provide a product of consistent quality, within the scope of the general conditions of sale and delivery. Should, in spite of these precautions, any liability be established, the damage, if any will be limited to the value of the goods delivered by us and used by you.

### Caution:
- We do not recommend that any of our products are used in sensitive applications which may come in contact with internal body organs or body fluids.
First choice for new formulations

Sudarshan Chemical Industries Limited
Global Head Office:
162 Wellesley Road
Pune - 411 001, India
Tel: +91 20 260 58 888
Fax: +91 20 260 58 222
Email: contact@sudarshan.com

Sudarshan Europe B.V.
Kingsfordweg 151
1043 GR Amsterdam
Tel: +31 (0)20 403 7504
Fax: +31 (0)20 403 7502
Email: eu@sudarshan.com

Sudarshan North America Inc.
76 N. Walnut Street
Ridgewood, NJ USA 07450
Tel: +1 201 652 2046
Email: usa@sudarshan.com

Sudarshan Chemical Industries Ltd.
Shanghai Representative office
Suite No 826 A, 8th Floor, No 2 Building,
Jinling Mansions, 28 Jinling Xi Road,
Shanghai 2000021, China
Tel: +86 21 63876258
Fax: +86 21 63876393
Email: china@sudarshan.com

www.sudarshan.com