Pigment Directory
North American Edition
Customer Centered • Health, Safety, & Environmentally Focused • Excellence Worldwide

Automotive  Architectural  Coil  Industrial  Powder Coatings  Inks
Engineering Resins  Injection Molding  Blow Molding  Plastic Film  Polypropylene Fibers  PVC

pigments.com
ABOUT DCL CORPORATION

As a leader in color pigments and dispersions for the coatings, plastics and ink industries worldwide, DCL Corporation is passionate about color. Thanks to the unparalleled heritage, customer service, and dedication of our legacy companies (Dominion Colour Corporation and LANSCO Colors), DCL invites the world to “See the Difference We Make.”

Headquartered in Toronto, Canada, DCL Corporation operates five manufacturing facilities in Canada, the United Kingdom, and The Netherlands and multiple dedicated R&D centers around the globe. That means DCL Corporation is large enough to compete on a global stage by servicing multi-national customers while still being responsive to the needs of our small and medium-sized customers all over the world. We consistently go above and beyond to ensure each and every customer gets the pigment that matches their requirements.

At DCL, we’re more than just color. We’re committed to environmental, health and safety excellence for both our internal and external stakeholders. This stems from our focus on 100% customer satisfaction, innovation, and long-term sustainability. It’s what we like to call “the DCL difference.” We encourage you to see it for yourself.
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<th>Code</th>
<th>Bag Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>2201 Hansa Yellow, PY.1</td>
<td>25 kg bag</td>
<td>A medium shade, semi-transparent yellow with good full shade weatherfastness. Recommended for water-based inks and coatings.</td>
</tr>
<tr>
<td>DCC-1104 Hansa Yellow, PY.1</td>
<td>20 kg bag</td>
<td>Green shade semi-opaque yellow used primarily for architectural coatings applications.</td>
</tr>
<tr>
<td>2203 Hansa Yellow, PY.3</td>
<td>25 kg bag</td>
<td>10G type. Low-cost, green shade yellow. Recommended for coatings and some aqueous inks.</td>
</tr>
<tr>
<td>DCC-1105 Hansa Yellow, PY.3</td>
<td>10 kg bag</td>
<td>Green shade semi-opaque yellow used primarily for architectural coatings applications.</td>
</tr>
<tr>
<td>2312 Diarylide Yellow, PY.12</td>
<td>25 lb bag</td>
<td>Excellent value opaque AAA yellow. Recommended for inks and coatings.</td>
</tr>
<tr>
<td>2413 Diarylide Yellow, PY.13</td>
<td>25 kg bag</td>
<td>Stronger and slightly more lightfast than Yellow 12. Recommended for water-based inks and selected interior coatings.</td>
</tr>
<tr>
<td>DCC-1232 Diarylide Yellow, PY.13</td>
<td>20 kg bag</td>
<td>1232 is a mid-shade yellow shade pigment for use in all types of ink applications.</td>
</tr>
<tr>
<td>DCC-YELLOW XR Diarylide Yellow, PY.13</td>
<td>20 kg bag</td>
<td>Opaque pigment with excellent rheology for use in aqueous inks and offset inks (both conventional and UV).</td>
</tr>
<tr>
<td>PY-126 Diarylide Yellow, PY.13</td>
<td>20 kg bag</td>
<td>Slightly redder than 2413. Recommended primarily for UV inks.</td>
</tr>
<tr>
<td>1214 Diarylide Yellow, PY.14</td>
<td>20 kg bag</td>
<td>Greener, more transparent resinated Yellow 14. Recommended primarily for solvent inks.</td>
</tr>
</tbody>
</table>

**Yellow**

- **2114 Diarylide Yellow, PY.14**
  - 20 kg bag
  - Semi-opaque AAOT Yellow. Recommended for water flexo inks, PVC, and interior coatings.

- **DCC-1202 Diarylide Yellow, PY.14**
  - 10 kg bag
  - Green shade semi-opaque yellow pigment used primarily in ink applications with minimal usage in industrial coatings, powder coatings, and plastics.

- **PY-123LCT Diarylide Yellow, PY.14**
  - 20 kg bag
  - Slightly greener and stronger than 2114. Excellent gloss characteristics. Recommended for water-based and UV ink applications.

- **2217 Diarylide Yellow, PY.17**
  - 20 kg bag
  - Excellent value, clean, strong, green shade yellow. Recommended for water-based inks, coatings, and plastics applications.

- **DCC-1260S Diarylide Yellow, PY.17**
  - 310 lb tote
  - Green shade diarylide yellow pigment that is highly transparent with good lightfastness in masstone, and is recommended for nitrocellulose, polyamide and polyurethane solvent-based inks. Limited use in water-based and offset paste inks.

- **DCC-1363 Monoazo Yellow, PY.61**
  - 10 kg bag
  - Lemon shade yellow pigment for use in various plastics applications where very good weatherfastness and heat stability are required. It can be used as a heavy metal free alternate to Lemon Chrome Yellows.

- **2162 Azo Yellow, PY.62**
  - 25 kg bag

- **DCC-1364 Azo Yellow, PY.62**
  - 10 kg bag
  - Medium to red shade yellow pigment for use in various plastics applications where very good dispersion and heat stability are required. It can be used as a heavy metal free alternate to Medium Chrome Yellows.

- **DCC-1364P Azo Yellow, PY.62**
  - 10 kg bag
  - Mid-shade yellow pigment for use in various plastics applications where very good dispersion is required. It can be used as a heavy metal free alternative to Medium Chrome Yellow.
<table>
<thead>
<tr>
<th>Pigment Name</th>
<th>Bag Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCC-1462F Azo Yellow, PY.62</td>
<td>10 kg</td>
<td>Only PY.62 that is FDA compliant worldwide. It is a mid-shade yellow pigment for use in food packaging materials (FCN No. 607) where it can be used as a more economical alternative to PY.180 at levels not exceeding 0.5% by weight under Conditions of Use A through H.</td>
</tr>
<tr>
<td>2665 Hansa Yellow, PY.65</td>
<td>20 kg</td>
<td>Recommended for water, solvent-based, and industrial coatings applications.</td>
</tr>
<tr>
<td>2865 Hansa Yellow, PY.65</td>
<td>20 kg</td>
<td>Easy dispersing. Noticeably greener and more opaque than the 2665. Recommended primarily for water-based traffic paint applications.</td>
</tr>
<tr>
<td>DCC-1117 Monoazo Yellow, PY.65</td>
<td>10 kg</td>
<td>Red shade yellow pigment with high opacity. Recommended for architectural coatings and road markings.</td>
</tr>
<tr>
<td>0013-473 Hansa Yellow, PY.73</td>
<td>25 kg</td>
<td>Green shade yellow offering good strength, lightfastness and glycol stability. Recommended for coatings applications.</td>
</tr>
<tr>
<td>DCC-1120 Azo Yellow, PY.74</td>
<td>10 kg</td>
<td>Green shade semi-opaque hansa yellow pigment with excellent chemical resistance. It is recommended for use in architectural and industrial coatings and solvent-based ink applications.</td>
</tr>
<tr>
<td>2283 Opaque Yellow, PY.83</td>
<td>25 kg</td>
<td>HR-70 type. Opaque, red shade yellow with good lightfastness. Recommended for ink jet, UV inks, and industrial coatings applications.</td>
</tr>
<tr>
<td>2483 Diarylide Yellow, PY.83</td>
<td>25 kg</td>
<td>Very transparent, strong, bright red shade diarylide. More transparent than 2583. Recommended for solvent-based printing ink applications especially for printing on foil or metal substrates.</td>
</tr>
<tr>
<td>2583 Diarylide Yellow, PY.83</td>
<td>25 kg</td>
<td>Strong, red shade, general purpose yellow 83. Recommended for all applications.</td>
</tr>
<tr>
<td>2783P Diarylide Yellow, PY.83</td>
<td>20 kg</td>
<td>Strong, bright red shade diarylide yellow with good lightfastness and bleed properties. Recommended for various plastics applications including PVC, LDPE, PUR, and Polystyrene.</td>
</tr>
<tr>
<td>DCC-1121 Monoazo Yellow, PY.73</td>
<td>10 kg</td>
<td>Transparent green shade yellow mono azo pigment with good lightfastness in masstone, primarily used for interior architectural coatings applications.</td>
</tr>
<tr>
<td>1274 Hansa Yellow, PY.74</td>
<td>20 kg</td>
<td>2GX-70 type. Lightfast, opaque yellow 74. Recommended for inks and exterior coatings.</td>
</tr>
<tr>
<td>DCC-7074 Monoazo Yellow, PY.74</td>
<td>10 kg</td>
<td>2GX-70 type. Opaque green shade mono azo yellow pigment. Recommended for architectural coatings applications.</td>
</tr>
<tr>
<td>2574 Hansa Yellow, PY.74</td>
<td>25 kg</td>
<td>Transparent Yellow 74. Recommended for water flexo, ink jet and solvent-based inks.</td>
</tr>
<tr>
<td>2874 Hansa Yellow, PY.74</td>
<td>25 kg</td>
<td>Excellent value. Strong green shade. Recommended for interior coatings, UV and water-based inks.</td>
</tr>
<tr>
<td>DCC-1112 Monoazo Yellow, PY.75</td>
<td>10 kg</td>
<td>Red shade yellow primarily used in architectural paint applications.</td>
</tr>
<tr>
<td>2574 Hansa Yellow, PY.74</td>
<td>25 kg</td>
<td>Transparent Yellow 74. Recommended for water flexo, ink jet and solvent-based inks.</td>
</tr>
<tr>
<td>2874 Hansa Yellow, PY.74</td>
<td>25 kg</td>
<td>Excellent value. Strong green shade. Recommended for interior coatings, UV and water-based inks.</td>
</tr>
<tr>
<td>DCC-1120 Azo Yellow, PY.74</td>
<td>10 kg</td>
<td>Green shade semi-opaque hansa yellow pigment with excellent chemical resistance. It is recommended for use in architectural and industrial coatings and solvent-based ink applications.</td>
</tr>
<tr>
<td>DCC-1112 Monoazo Yellow, PY.75</td>
<td>10 kg</td>
<td>Red shade yellow primarily used in architectural paint applications.</td>
</tr>
<tr>
<td>2283 Opaque Yellow, PY.83</td>
<td>25 kg</td>
<td>HR-70 type. Opaque, red shade yellow with good lightfastness. Recommended for ink jet, UV inks, and industrial coatings applications.</td>
</tr>
<tr>
<td>0013-473 Hansa Yellow, PY.73</td>
<td>25 kg</td>
<td>Green shade yellow offering good strength, lightfastness and glycol stability. Recommended for coatings applications.</td>
</tr>
<tr>
<td>DCC-1121 Monoazo Yellow, PY.73</td>
<td>10 kg</td>
<td>Transparent green shade yellow mono azo pigment with good lightfastness in masstone, primarily used for interior architectural coatings applications.</td>
</tr>
<tr>
<td>1274 Hansa Yellow, PY.74</td>
<td>20 kg</td>
<td>2GX-70 type. Lightfast, opaque yellow 74. Recommended for inks and exterior coatings.</td>
</tr>
<tr>
<td>DCC-7074 Monoazo Yellow, PY.74</td>
<td>10 kg</td>
<td>2GX-70 type. Opaque green shade mono azo yellow pigment. Recommended for architectural coatings applications.</td>
</tr>
<tr>
<td>Pigment Code</td>
<td>Description</td>
<td></td>
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<tr>
<td>--------------</td>
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<td></td>
</tr>
<tr>
<td>DCC-1243 Diarylide Yellow, PY.83</td>
<td>Red shade yellow diarylide pigment for use in ink applications. It is primarily used in nitrocellulose, polyamide and polyurethane solvent-based inks where high gloss, high transparency, very good lightfastness and good rheology are required.</td>
<td></td>
</tr>
<tr>
<td>DCC-1245 Diarylide Yellow, PY.83</td>
<td>Primarily used for road marking applications. It is a semi-opaque red shade yellow pigment used in coatings, inks and plastics.</td>
<td></td>
</tr>
<tr>
<td>2093 Disazo Yellow, PY.93</td>
<td>Transparent green shade yellow pigment of exceptional color strength, purity, and dispersibility. Recommended for water-based inks and polyolefins, particularly where excellent lightfastness is required.</td>
<td></td>
</tr>
<tr>
<td>2095 Disazo Yellow, PY.95</td>
<td>Mid shade yellow with outstanding strength. Recommended for toys and food packaging, plastics and select coatings and inks applications. FDA approved.</td>
<td></td>
</tr>
<tr>
<td>2197 Azo Yellow, PY.97</td>
<td>FGL type. Lightfast, green shade yellow. Recommended for coatings and inks.</td>
<td></td>
</tr>
<tr>
<td>DCC-Yellow GPC Monoazo Yellow, PY.97</td>
<td>FGL type. Bright green shade yellow pigment used in architectural water-based and general industrial paints. Yellow GPC is the highest solvent resistance Hansa Yellow.</td>
<td></td>
</tr>
<tr>
<td>2110 Isoindolinone Yellow, PY.110</td>
<td>2RLT type. Transparent, red shade yellow isoindolinone pigment with excellent lightfastness and heat stability. Recommended for use in plastics, automotive finishes, general industrials, baking enamels and solvent-based printing inks. FDA approved.</td>
<td></td>
</tr>
<tr>
<td>2111 Isoindolinone Yellow, PY.110</td>
<td>3RLTN type. Semi-opaque, red shade yellow isoindolinone pigment with excellent properties. Recommended for coatings, plastics and solvent printing inks. FDA approved.</td>
<td></td>
</tr>
<tr>
<td>2338 Quinophthalone Yellow, PY.138</td>
<td>K0961 type. Green shade yellow with very good heat stability, light and weatherfastness. Recommended primarily for plastics applications. FDA approved.</td>
<td></td>
</tr>
<tr>
<td>2538 Quinophthalone Yellow, PY.138</td>
<td>L0962 type. Opaque, green shade yellow with excellent light and weatherfastness. Greener than 2338. Recommended for coatings and inks applications. FDA approved.</td>
<td></td>
</tr>
<tr>
<td>1139 Isoindoline Yellow, PY.139</td>
<td>10 kg bag Greener shade PY 139. Recommended for plastics, ink jet and UV inks.</td>
<td></td>
</tr>
<tr>
<td>2039 Isoindoline Yellow, PY.139</td>
<td>K1841 Type. Greener shade PY 139. Recommended primarily for plastics applications.</td>
<td></td>
</tr>
<tr>
<td>2139 Isoindoline Yellow, PY.139</td>
<td>M2R-70 type. Opaque, red shade PY 139. Recommended for ink jet and UV inks and coatings applications.</td>
<td></td>
</tr>
<tr>
<td>2150 Azo Yellow, PY.150</td>
<td>Transparent medium shade yellow with excellent lightfastness, heat stability and dispersibility especially when incorporated into Nylon fiber applications. Recommended primarily for plastics applications.</td>
<td></td>
</tr>
<tr>
<td>DCC-7151 Benzimidazolone Yellow, PY.151</td>
<td>H4G type. High-performance green shade yellow pigment for use in high-end coatings applications where very good weatherfastness and heat stability are required. It can be used as a higher performance alternative to Hansa and Diarylide pigments.</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>Bag Size</td>
</tr>
<tr>
<td>---------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>DCC-7251</td>
<td>Benzimidazolone Yellow, PY.151 High-performance green shade yellow pigment</td>
<td>20 kg</td>
</tr>
<tr>
<td>DCC-7351</td>
<td>Benzimidazolone Yellow, PY.151 High-performance green shade yellow pigment</td>
<td>20 kg</td>
</tr>
<tr>
<td>DCC-7751</td>
<td>Benzimidazolone Yellow, PY.151 High-performance green shade yellow pigment</td>
<td>20 kg</td>
</tr>
<tr>
<td>S-152</td>
<td>Diarylide Yellow, PY.152 Red shade yellow recommended for industrial coatings.</td>
<td>10 kg</td>
</tr>
<tr>
<td>DCC-7154</td>
<td>Benzimidazolone Yellow, PY.154 H3G type. High-performance green shade yellow</td>
<td>20 kg</td>
</tr>
<tr>
<td>DCC-7754</td>
<td>Benzimidazolone Yellow, PY.154 High-performance green shade yellow pigment</td>
<td>20 kg</td>
</tr>
<tr>
<td>DCC-7155</td>
<td>Disazo Yellow, PY.155 Green shade yellow pigment for use in high-end plastics</td>
<td>10 kg</td>
</tr>
<tr>
<td>2355</td>
<td>Opaque Yellow, PY.155 Opaque, strong, green shade yellow pigment with good</td>
<td>25 kg</td>
</tr>
<tr>
<td>2168-CA</td>
<td>Azo Yellow, PY.168 Heat stable green shade yellow. Alternative to diarylide</td>
<td>25 kg</td>
</tr>
<tr>
<td>DCC-1368</td>
<td>Azo Yellow, PY.168 K1070 type. Clean green shade yellow pigment for use in</td>
<td>10 kg</td>
</tr>
<tr>
<td>DCC-1368P</td>
<td>Azo Yellow, PY.168 Green shade yellow pigment for use in various plastics</td>
<td>10 kg</td>
</tr>
<tr>
<td>2275</td>
<td>Benzimidazolone Yellow, PY.175 2275 is a green shade yellow with excellent</td>
<td>20 kg</td>
</tr>
<tr>
<td>2180</td>
<td>Benzimidazolone Yellow, PY.180 Non-warping green shade yellow with excellent</td>
<td>25 kg</td>
</tr>
<tr>
<td>2280</td>
<td>Benzimidazolone Yellow, PY.180 Non-warping green shade yellow with excellent</td>
<td>25 kg</td>
</tr>
</tbody>
</table>
**Yellow (continued)**

**DCC-7180 Benzimidazolone Yellow, PY.180**  
10 kg bag  
HG type. High-performance green shade yellow pigment used in high-end plastic applications where very good dispersion and heat stability is required. 7180 is the reddest shade PY.180 in our range. FDA approved.

**DCC-7380 Benzimidazolone Yellow, PY.180**  
10 kg bag  
DCC-7380 is a high-performance green shade yellow pigment that is cleaner in shade than 7180 & tinting strength used in high-quality plastic applications where very good dispersion and high heat stability are required. 7380 is less intense and chromatic in shade than both 2180 and 2280. FDA approved.

**2181 Benzimidazolone Yellow, PY.181**  
10 kg bag  
Red shade, non-warping with excellent heat stability. Recommended for industrial coatings, inks, and plastics applications. FDA approved.

**2183-A Azo Yellow, PY.183**  
10 kg bag  
K2270 type. Non-warping red shade yellow with excellent heat stability. Recommended for plastics and powder coatings applications. FDA approved.

**DCC-7183 Azo Yellow, PY.183**  
10 kg bag  
Non-warping red shade yellow pigment suitable for plastics applications where good heat stability and weatherfastness are required. 7183 has higher color strength than 2183-A. FDA approved.

**DCC-7183XS Azo Yellow, PY.183**  
10 kg bag  
Non-warping red shade yellow pigment with a significant strength advantage over 7183 that is approved for use in food packaging materials. It is also suitable for plastics applications where good heat stability and weatherfastness are required. FDA approved.

**2191 Azo Yellow, PY.191**  
20 kg bag  
Red shade, non-warping yellow with excellent heat stability. Recommended primarily for plastics applications. FDA approved.

**DCC-7191 Azo Yellow, PY.191**  
10 kg bag  
Non-warping, high-performance red shade yellow pigment that is greener and stronger than 2191 & 7391. Used in various plastic applications where excellent heat stability and resistance properties are required. FDA approved.

**DCC-7391 Azo Yellow, PY.191**  
10 kg bag  
HGR type. Non-warping, high-performance red shade yellow pigment used in many types of plastic applications where excellent heat stability and resistance properties are required. 7391 is the reddest shade PY.191 in our range. FDA approved.

**DCC-7194 Benzimidazolone Yellow, PY.194**  
10 kg bag  
F2G type. High-performance green shade yellow pigment for use in architectural, general industrial, powder coatings, low temperature plastics, solvent-based, water-based and UV ink applications.

**2194 Benzimidazolone Yellow, PY.194**  
10 kg bag  
Bright, green shade yellow with very good light and weatherfastness. Recommended for industrial paints, powder coatings, low temperature plastics, solvent-based, water-based and UV ink applications.

**Orange**

**06-905 DNA Orange, PO.5**  
20 kg bag  
Good lightfastness in deep shades. Recommended for coatings, water flexo inks, UV and water-based inks.

**2113 Pyrazolone Orange, PO.13**  
25 kg bag  
Excellent value, clean bright orange. Recommended for UV and water-based inks, coatings, and plastics.

**DCC-Orange GX Pyrazolone Orange, PO.13**  
10 kg bag  
Red shade orange pigment commonly used in offset and aqueous inks.

**1116 Dianisidine Orange, PO.16**  
20 kg bag  
Bright, clean semi-opaque orange. Recommended for solvent printing ink applications.

**2316 Dianisidine Orange, PO.16**  
20 kg bag  
Bright, clean orange. Recommended for solvent-base, UV and water-based inks, coatings, and rubber. Yellower than 1116.
DCC-1816 Dianisidine Orange, PO.16 20 kg bag
Blue shade pigment for use in plastics applications
where good heat stability and tintorial strength are
required. It can also be used as a lead-free alternative
to molybdate orange.

DCC-1817 Dianisidine Orange, PO.16 500 lb. tote
Blue shade orange pigment used in various ink systems,
primarily liquid inks.

1334 Opaque Orange, PO.34 15 kg bag
RL-70 type. Opaque, improved viscosity Orange 34.
Recommended for industrial coatings and UV ink
applications.

1634 Pyrazolone Orange, PO.34 25 kg bag
Excellent value semi-transparent orange. Recommended
for solvent-based and water-based inks, coatings,
and plastics.

DCC-1834 Pyrazolone Orange, PO.34 20 kg bag
Blue shade diarylide orange pigment for use in ink
applications. It is designed for use in nitrocellulose,
polyamide and polyurethane solvent-based inks where
high transparency and gloss are required. It also offers
low rheology, high tintorial strength, good lightfastness
and good resistance to organic solvents.

DCC-Orange Y2G Pyrazolone Orange, PO.34 10 kg bag
Excellent all-round properties used mainly in offset,
aqueous and UV inks, and aqueous architectural
coatings. It can also be used in certain polyolefin-based
plastic applications.

DCC-7036 Benzimidazolone Orange, PO.36 10 kg bag
3620C type. High performance blue shade orange
pigment for use in high-end coatings applications. It
can be used in all coatings but is recommended for
the highest end coatings applications where excellent
weatherfastness, heat stability, chemical resistance,
rheology and dispersion are required.

2443 Vat Orange, PO.43 25 kg bag
Clean, bright orange with outstanding UV properties in
both mass tone and tint. Recommended for coatings
and plastics applications.

DCC-7064 Benzimidazolone Orange, PO.64 20 kg bag
High-performance clean yellow shade orange pigment
for use in high-end plastics. It can be used in all plastics
but is recommended in applications where excellent
heat stability and tintorial strength are required.
FDA approved.

DCC-7065 Benzimidazolone Orange, PO.64 20 kg bag
High-performance yellow shade orange pigment that
is redder in shade compared to 7064 and is used in
many types of plastic applications where excellent
heat stability and resistance properties are required.
7065 is also recommended for use in packaging inks.
FDA approved.

DCC-7067 Opaque Orange, PO.67 10 kg bag
This is a bright yellow shade orange pigment for use
in baking finishes and water-based paint applications
where opacity is required. It is a good alternative to
lead free formulations.

1667 Opaque Orange, PO.67 10 kg bag
Opaque, highly brilliant orange. Recommended for powder
coatings, water-based coatings, and baking finishes.

1073-A DPP Orange, PO.73 10 kg bag
Opaque medium shade with very good light and
chemical resistance. Recommended for plastics, inks,
and coatings applications.
<table>
<thead>
<tr>
<th>Red</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PR-299 Napthol Red, PR.2</strong></td>
<td>10 kg bag</td>
<td>Yellow shade red naphthol used as a barium-free alternative to Red Lake C in packaging inks.</td>
</tr>
<tr>
<td><strong>032-184 Toluidine Red, PR.3</strong></td>
<td>25 kg bag</td>
<td>Yellow shade toluidine red. Recommended for water-based inks and coatings applications.</td>
</tr>
<tr>
<td><strong>032-185 Toluidine Red, PR.3</strong></td>
<td>25 kg bag</td>
<td>RNC Type. Yellowest shade toluidine red. Recommended for water-based inks and coatings applications.</td>
</tr>
<tr>
<td><strong>DCC-2222 Toluidine Red, PR.3</strong></td>
<td>10 kg bag</td>
<td>Stir-in grade, same shade properties as 2220. Recommended for solvent-based architectural &amp; industrial coatings applications.</td>
</tr>
<tr>
<td><strong>DCC-2254 Toluidine Red, PR.3</strong></td>
<td>10 kg bag</td>
<td>Stir-in medium shade toluidine pigment. Recommended for solvent-based architectural &amp; industrial coatings applications.</td>
</tr>
<tr>
<td><strong>DCC-CARMINE B Napthol Red, PR.5</strong></td>
<td>10 kg bag</td>
<td>Bright blue shade red used primarily in offset and water-base inks.</td>
</tr>
<tr>
<td><strong>1219 Quinacridone Red Violet, PV.19</strong></td>
<td>20 kg bag</td>
<td>E5B-02 type. Gamma crystal form, bright, yellow-shade quinacridone offering excellent overall properties. Recommended for inks, coatings, and plastics. FDA approved.</td>
</tr>
<tr>
<td><strong>1319 Quinacridone Red Violet, PV.19</strong></td>
<td>20 kg bag</td>
<td>E3B type. Opaque yellow shade with excellent fastness properties. Yellower and more opaque than 1219. Recommended for inks, high grade industrial and automotive coatings.</td>
</tr>
<tr>
<td><strong>1419 Quinacridone Violet, PV.19</strong></td>
<td>25 kg bag</td>
<td>ER-02 type. Beta crystal form, blue shade Violet 19 offering excellent overall properties. Recommended for inks, coatings, and plastics. FDA approved.</td>
</tr>
<tr>
<td><strong>1722 Napthol Red, PR.22</strong></td>
<td>25 kg bag</td>
<td>Yellow shade. Recommended for solvent-based and water-based inks.</td>
</tr>
<tr>
<td><strong>DCC-2922 Naphthol Red, PR.22</strong></td>
<td>20 kg bag</td>
<td>Yellow shade naphthol AS red pigment for use in ink applications. It is primarily used in nitrocellulose, polyamide and polyurethane solvent-based inks where very good gloss, transparency, and rheology are required. 2922 can replace metal azo pigments where soap and alkali resistance are essential.</td>
</tr>
<tr>
<td><strong>DCC-2922S Naphthol Red, PR.22</strong></td>
<td>20 kg bag</td>
<td>Yellow shade red pigment primarily used in nitrocellulose, polyamide and polyurethane solvent-based inks where very good gloss, transparency, and rheology are required.</td>
</tr>
<tr>
<td><strong>DCC-2823S Napthol Red, PR.23</strong></td>
<td>20 kg bag</td>
<td>Blue shade napthol AS red pigment for use in ink applications. It is primarily used in nitrocellulose, polyamide and polyurethane solvent-based inks where very good gloss, transparency, and rheology are required. 2823S can replace metal azo pigments where soap and alkali resistance are essential.</td>
</tr>
<tr>
<td><strong>1338 Pyrazolone Red, PR.38</strong></td>
<td>10 kg bag</td>
<td>Very strong, yellow shade red with good lightfastness. Recommended for water-based inks and rubber.</td>
</tr>
<tr>
<td><strong>DCC-2782 Metal Azo Red, PR.48:1</strong></td>
<td>20 kg bag</td>
<td>Yellow shade barium 2B red pigment with excellent heat resistance in polyolefin-based plastics applications.</td>
</tr>
<tr>
<td><strong>PR-221 2B Red, PR.48:1</strong></td>
<td>20 kg bag</td>
<td>More opaque, yellower and stronger than DCC-2782. Recommended for water-based, solvent-based and UV inks.</td>
</tr>
<tr>
<td><strong>DCC-2783 Metal Azo Red, PR.48:1</strong></td>
<td>20 kg bag</td>
<td>Yellow shade red monoazo pigment for use in ink applications. It is primarily used in nitrocellulose, polyamide and polyurethane solvent-based inks where very good gloss, transparency, and rheology are required.</td>
</tr>
<tr>
<td>Code</td>
<td>Name</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------------------------------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>1282 2B Red, PR.48:2</td>
<td>25 kg bag</td>
<td>Recommended for plastics.</td>
</tr>
<tr>
<td>DCC-2747S Metal Azo Red, PR.48:2</td>
<td>20 kg bag</td>
<td>Blue shade red (PR.48:2) pigment that is recommended for solvent-based and offset inks.</td>
</tr>
<tr>
<td>DCC-2748 Monoazo Metal Lake, PR.48:2</td>
<td>10 kg bag</td>
<td>Blue shade red pigment primarily for interior plastic applications.</td>
</tr>
<tr>
<td>PR-251 2B Red, PR.48:3</td>
<td>318 kg tote</td>
<td>Blue shade strontium salt. Same properties as 1403B.</td>
</tr>
<tr>
<td>DCC-2792 Metal Azo Red, PR.48:4</td>
<td>20 kg bag</td>
<td>Blue shade red pigment that has very good heat stability and is recommended for industrial coatings applications.</td>
</tr>
<tr>
<td>PR-258 Barium Lithol Red, PR.49:1</td>
<td>50 lb bag</td>
<td>Transparent, blue shade with low viscosity.  Recommended for inks and coatings.</td>
</tr>
<tr>
<td>1692 Calcium Lithol Red, PR.49:2</td>
<td>25 kg bag</td>
<td>Semi-Opaque bright, blue shade red with excellent tinting strength. Recommended primarily for water-based inks.</td>
</tr>
<tr>
<td>1522 Bon Maroon, PR.52:2</td>
<td>10 kg bag</td>
<td>Maroon shade red pigment. Recommended primarily for industrial coatings.</td>
</tr>
<tr>
<td>DCC-6005 Bon Maroon, PR.52:2</td>
<td>20 kg bag</td>
<td>Blue shade red pigment with good weatherfastness in full shades and is typically used in general industrial coatings.</td>
</tr>
<tr>
<td>1353 Red Lake C, PR.53:1</td>
<td>25 kg bag</td>
<td>Yellowest Red Lake C in our line. Recommended for plastics and printing inks.</td>
</tr>
<tr>
<td>PR-215 Red Lake C, PR.53:1</td>
<td>20 kg bag</td>
<td>Slightly bluer and stronger than 1353. Recommended primarily for water and UV inks.</td>
</tr>
<tr>
<td>PR-256 Red Lake C, PR.53:1</td>
<td>20 kg bag</td>
<td>Bluest, strongest type. Recommended primarily for ink applications.</td>
</tr>
<tr>
<td>1557 Lithol Rubine, PR.57:1</td>
<td>25 kg bag</td>
<td>A general purpose Lithol Rubine.</td>
</tr>
<tr>
<td>DCC-2733 Lithol Rubine, PR.57:1</td>
<td>10 kg bag</td>
<td>Lithol rubine pigment used in polyolefin-based plastics, and water-based ink applications.</td>
</tr>
<tr>
<td>PR-205 Lithol Rubine, PR.57:1</td>
<td>25 lb bag</td>
<td>Yellowest, most opaque type. Recommended for inks and plastics.</td>
</tr>
<tr>
<td>PR-289 Lithol Rubine, PR.57:1 BS</td>
<td>50 lb bag</td>
<td>Bluest, most transparent type with exceptional heat and water stability. Recommended for all ink systems.</td>
</tr>
<tr>
<td>1060 Azo Red, PR.60:1</td>
<td>20 kg bag</td>
<td>Semi-transparent scarlet shade with high tint strength.  Recommended primarily for plastics.</td>
</tr>
<tr>
<td>DCC-Pink ALP Rhodamine Y, PR.81:5</td>
<td>20 kg bag</td>
<td>Blue shade basic dye pigment with high gloss and transparency used primarily for solvent-based and offset inks.</td>
</tr>
<tr>
<td>DCC-RA517 Rhodamine Y, PR.81:5</td>
<td>20 kg bag</td>
<td>Blue shade red rhodamine dye-based pigment for use in ink applications. It is primarily used as a process magenta for aqueous dispersions where excellent water stability at high pigment loadings is required. It is a copper free alternative to Pigment Red 169.</td>
</tr>
<tr>
<td>Pigment Name</td>
<td>Color Code</td>
<td>Form Size</td>
</tr>
<tr>
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</tr>
<tr>
<td>DCC-MADDER CLDX Alizarine Red, PR.83</td>
<td></td>
<td>20 kg bag</td>
</tr>
<tr>
<td>DCC-RE531 Red, PR.83</td>
<td></td>
<td>20 kg bag &amp; 500 lb tote</td>
</tr>
<tr>
<td>1812 Napthol Red, PR.112</td>
<td></td>
<td>25 kg bag</td>
</tr>
<tr>
<td>DCC-2912 Napthol Red, PR.112</td>
<td></td>
<td>20 kg bag</td>
</tr>
<tr>
<td>DCC-7322 Quinacridone Magenta, PR 122</td>
<td></td>
<td>20 kg bag</td>
</tr>
<tr>
<td>DCC-7422 Quinacridone Magenta, PR.122</td>
<td></td>
<td>20 kg bag</td>
</tr>
<tr>
<td>1229 Quinacridone Magenta, PR.122</td>
<td></td>
<td>20 kg bag</td>
</tr>
<tr>
<td>1144 Disazo Red, PR.144</td>
<td></td>
<td>10 kg bag</td>
</tr>
<tr>
<td>1146 Napthol Red, PR.146</td>
<td></td>
<td>25 kg bag</td>
</tr>
<tr>
<td>1149 Perylene Red, PR.149</td>
<td></td>
<td>20 kg box</td>
</tr>
<tr>
<td>1166 Disazo Scarlet, PR.166</td>
<td></td>
<td>25 kg bag</td>
</tr>
<tr>
<td>DCC-7168 Anthanthrone Red, PR.168</td>
<td></td>
<td>15 kg bag</td>
</tr>
<tr>
<td>DCC-RA511 Rhodamine 6G, PR.169</td>
<td></td>
<td>20 kg bag</td>
</tr>
<tr>
<td>1070 Napthol Red, PR.170</td>
<td></td>
<td>25 kg bag</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>Bag Size</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>DCC-2870 Napthol Red, PR.170</td>
<td>20 kg bag. Napthol red pigment that exhibits good heat and chemical resistance. Mostly recommended for architectural and industrial coatings applications.</td>
<td>20 kg</td>
</tr>
<tr>
<td>DCC-7170 Napthol Red, PR.170</td>
<td>25 kg bag. Yellow shade for use in plastics applications where good heat stability and weatherfastness are required.</td>
<td>25 kg</td>
</tr>
<tr>
<td>DCC-7470 Napthol Red, PR.170</td>
<td>25 kg bag. High performance bright yellow shade. It is used where heat stability and good weatherfastness (full shade only) are required.</td>
<td>25 kg</td>
</tr>
<tr>
<td>1176 Benzimidazolone Red, PR.176</td>
<td>20 kg bag. Transparent, bright blue shade. Recommended for high quality inks, plastics, and coatings.</td>
<td>20 kg</td>
</tr>
<tr>
<td>1177 Anthraquinone Red, PR.177</td>
<td>20 kg bag. Blue shade. Recommended for higher quality industrial coatings and plastics applications.</td>
<td>20 kg</td>
</tr>
<tr>
<td>1179 Perylene Red, PR.179</td>
<td>25 kg bag. Semi-transparent maroon shade. Recommended for higher quality industrial coatings and plastics applications.</td>
<td>25 kg</td>
</tr>
<tr>
<td>1184 Napthol Red, PR.184</td>
<td>10 kg bag. Blue shade. Recommended for water-based ink and coating applications.</td>
<td>10 kg</td>
</tr>
<tr>
<td>DCC-Carmine 6BL Napthol Red, PR.184</td>
<td>10 kg bag. Blue-shade Naphthol Red, which provides good gloss and transparency for solvent-based and offset inks.</td>
<td>10 kg</td>
</tr>
<tr>
<td>2188 Napthol Red, PR.188</td>
<td>10 kg bag. HF3S type. Yellow shade. Recommended for trade sales and general industrial coatings applications.</td>
<td>10 kg</td>
</tr>
<tr>
<td>1208 Benzimidazolone Red, PR.208</td>
<td>10 kg bag. Transparent, medium shade with very good overall properties. Recommended primarily for higher quality speciality inks.</td>
<td>10 kg</td>
</tr>
<tr>
<td>1242 Disazo Scarlet, PR.242</td>
<td>10 kg bag. Yellow shade red pigment with excellent fastness properties. Recommended for plastics, inks, and coatings applications.</td>
<td>10 kg</td>
</tr>
<tr>
<td>1254 DPP Red, PR.254</td>
<td>10 kg bag. BO type. Bright medium shade red. Recommended for high performance coatings. FDA approved.</td>
<td>10 kg</td>
</tr>
<tr>
<td>DCC-7254 DPP Red, PR.254</td>
<td>30 kg bag. BO type. High performance mid shade red pigment for use in high-end coatings applications. It can be used in all coatings but is recommended for the highest end applications where excellent weatherability, heat stability, and solvent resistance are required. It is also used in high-end plastic applications. FDA approved.</td>
<td>30 kg</td>
</tr>
<tr>
<td>1354 DPP Red, PR.254</td>
<td>10 kg bag. 2030 type. Bright, medium shade red, stronger and yellower than 1254. Recommended primarily for plastics and powder coatings. FDA approved.</td>
<td>10 kg</td>
</tr>
<tr>
<td>DCC-7354 DPP Red, PR.254</td>
<td>20 kg bag. 2030 type. High-performance yellow shade red pigment for use in premium-quality plastics applications where excellent heat stability, weatherfastness and chemical resistance are required. It offers high saturation and very good opacity. It is also used in a variety of coatings applications.</td>
<td>20 kg</td>
</tr>
<tr>
<td>1372 DPP Flame Red, PR.272</td>
<td>25 kg bag. Opaque, bright yellow shade with excellent overall properties. Recommended for plastics and high quality industrial finishes.</td>
<td>25 kg</td>
</tr>
</tbody>
</table>
### Blue

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Package Size</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>5150 Phthalocyanine Blue, PB.15:0</td>
<td>25 kg bag</td>
<td>Red shade, crystallizing, with good heat stability and migration resistance. Redder than 5561. Recommended for water-based inks and plastics. FDA approved.</td>
<td></td>
</tr>
<tr>
<td>5561 Phthalocyanine Blue, PB.15:0</td>
<td>25 kg bag</td>
<td>Red shade, crystallizing, easy dispersing. Recommended for water-based ink and plastic applications. FDA approved.</td>
<td></td>
</tr>
<tr>
<td>5651 Phthalocyanine Blue, PB.15:1</td>
<td>20 kg bag</td>
<td>A4R Type. Red shade, slightly redder than 5051, recommended for general industrial coatings, printing inks, and plastics.</td>
<td></td>
</tr>
<tr>
<td>5051 Phthalocyanine Blue, PB.15:1</td>
<td>15 kg bag</td>
<td>Red shade, non-crystallizing. Slightly redder than 5251. FDA approved.</td>
<td></td>
</tr>
<tr>
<td>5618 Phthalocyanine Blue, PB.15:1</td>
<td>25 kg bag</td>
<td>Stir-in water dispersible bright blue. Recommended for construction and most water-based applications.</td>
<td></td>
</tr>
<tr>
<td>5452 Phthalocyanine Blue, PB.15:2</td>
<td>25 kg bag</td>
<td>Red shade NCNF grade. Slightly greener than 8200. Recommended primarily for coatings. FDA approved.</td>
<td></td>
</tr>
<tr>
<td>5352 Phthalocyanine Blue, PB.15:2</td>
<td>25 kg bag</td>
<td>NCNF grade. Alpha, red shade, phthalocyanine blue treated to provide crystal stability and flocculation resistance. Lower cost than all the Blue 15:2 products. Similar shade as the 8200. Recommended primarily for coatings. FDA approved.</td>
<td></td>
</tr>
<tr>
<td>5154 Phthalocyanine Blue, PB.15:4</td>
<td>25 kg bag</td>
<td>Green shade NCNF grade. Recommended for coatings. FDA approved.</td>
<td></td>
</tr>
<tr>
<td>5454 Phthalocyanine Blue, PB.15:4</td>
<td>20 kg bag</td>
<td>Transparent, green shade NCNF grade. Recommended for ink jet, UV, solvent ink, and coatings applications. FDA approved.</td>
<td></td>
</tr>
</tbody>
</table>

### Red Shade

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Package Size</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>5090 Phthalocyanine Blue, PB.15:3</td>
<td>25 kg bag</td>
<td>Easy to disperse, economical green shade phthalocyanine blue for various coatings applications. FDA approved.</td>
<td></td>
</tr>
<tr>
<td>5093 Phthalocyanine Blue, PB.15:3</td>
<td>25 kg bag</td>
<td>High quality, low cost, green shade phthalocyanine blue recommended for plastics and powder coatings. FDA approved.</td>
<td></td>
</tr>
<tr>
<td>5613 Blue GS, PB.15:3</td>
<td>25 kg bag</td>
<td>Stir-in water dispersible green shade blue pigment. Recommended for construction and most water-based applications.</td>
<td></td>
</tr>
<tr>
<td>5577 Phthalocyanine Blue, PB.15:3</td>
<td>25 kg bag</td>
<td>Green shade phthalocyanine blue with excellent color strength. FDA approved. It is specifically developed for water-based applications such as inks and dispersions.</td>
<td></td>
</tr>
<tr>
<td>DCC-3153 Phthalocyanine Blue, PB.15:3</td>
<td>20 kg bag</td>
<td>Used in high-quality coatings applications. It has excellent performance attributes including, color strength, heat stability, light and weatherfastness and chemical resistance.</td>
<td></td>
</tr>
<tr>
<td>5703 Phthalocyanine Blue, PB.15:3</td>
<td>25 kg bag</td>
<td>High strength, beta type, non-crystalizing green shade phthalocyanine blue. Recommended for water-based inks.</td>
<td></td>
</tr>
</tbody>
</table>

### Green Shade

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Package Size</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>5154 Phthalocyanine Blue, PB.15:4</td>
<td>25 kg bag</td>
<td>Green shade NCNF grade. Recommended for coatings. FDA approved.</td>
<td></td>
</tr>
</tbody>
</table>

**Organic Pigments**
### Organic Pigments

<table>
<thead>
<tr>
<th>Pigment Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCC-A2RU Indanthrone Blue, PB.60</td>
<td>20 kg bag Greener in shade than DCC-A3R/DCC-A3RN. A highly chromatic blue that combines very good tintorial properties with excellent fastness to light, weather, chemical and solvents. DCC-A2RU is an extremely transparent blue that has superior tinting strength compared to A3RN and is suitable for special effect shades. DCC-A2RU is primarily recommended for both water and solvent-based automotive coatings due to its reduced flop and enhanced durability.</td>
</tr>
<tr>
<td>DCC-A3R Indanthrone Blue, PB.60</td>
<td>20 kg bag Highly saturated blue that combines very good tintorial properties with excellent fastness to light, weather, chemical and solvents. DCC-A3R is a highly transparent blue suitable for opaque and effect shades and is used in high-performance coatings, plastics and ink applications.</td>
</tr>
<tr>
<td>DCC-A3RN Indanthrone Blue, PB.60</td>
<td>20 kg bag Red shade, highly saturated blue that combines very good tintorial properties with excellent fastness to light, weather, chemical and solvents. DCC-A3RN is slightly stronger than DCC-A3R, and is a highly transparent blue suitable for use in the highest quality coatings, especially in metallic special effect finishes, and ink applications.</td>
</tr>
<tr>
<td>3017-PV Phthalocyanine Green, PG.7</td>
<td>25 kg bag Medium shade with excellent heat stability and filter value lower than 2.0 bar/gram. Recommended for plastics applications. FDA approved</td>
</tr>
<tr>
<td>3777 Phthalocyanine Green, PG.7</td>
<td>25 kg bag Strong, very blue shade, easiest dispersing in plastics, coatings, and water flexo inks. Recommended for all applications. FDA approved.</td>
</tr>
<tr>
<td>3327 Phthalocyanine Green, PG.7</td>
<td>25 kg bag Medium shade phthalo green that is recommended for all applications. Excellent rheology can be observed in some solvent systems in comparison to other phthalo greens.</td>
</tr>
<tr>
<td>5079 Phthalocyanine Blue, PB.79</td>
<td>25 kg bag Copper free, green shade, recommended for various water-based printing inks.</td>
</tr>
<tr>
<td>DCC-4407 Phthalocyanine Green, PG.7</td>
<td>25 kg bag Yellow shade green pigment for use in high-quality coatings applications. It has excellent performance properties including, color strength, heat stability, weatherfastness and chemical resistance.</td>
</tr>
<tr>
<td>DCC-4427 Phthalocyanine Green, PG.7</td>
<td>25 kg bag High-performance green with excellent resistance properties that is compatible with several plastic resin systems such as polyolefins, PVC, ABS, PC, Rubber, PUR, PMMA &amp; PS.</td>
</tr>
<tr>
<td>PG-631 Phthalocyanine Green, PG.7</td>
<td>25 kg bag Bluest shade transparent green. Recommended for solvent inks. FDA approved.</td>
</tr>
<tr>
<td>S-2020 Phthalocyanine Green, PG.7</td>
<td>25 kg bag Strong medium shade. Slightly bluer than 3017-A. Recommended for coatings and plastics. FDA approved.</td>
</tr>
<tr>
<td>SC16-44 Green, PG.7</td>
<td>25 kg bag Stir-in water dispersible green. Recommended for construction and most water-based applications.</td>
</tr>
<tr>
<td>3136 Phthalocyanine Green, PG.36</td>
<td>10 kg bag Fully brominated yellow shade Green 36. Recommended for use in all applications.</td>
</tr>
<tr>
<td>Color</td>
<td>Code</td>
</tr>
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</tr>
</tbody>
</table>
| Violet        | DCC-RA529  | Rhodamine B, PV.1 | 70 lb drum
Red shade rhodamine pigment for use in various ink applications. It offers a high degree of brilliance and tinctorial strength. It is recommended for offset inks and flushed color. |
| Tropical Violet | DCC-RA521 | PV.2          | 20 kg & 100 lb drum
Clean blue shade red rhodamine pigment for use in ink applications. It is ideal for aqueous dispersions at high pigment loading. It offers a high degree of brilliance and tinctorial strength. |
| Methyl Violet | 1903-M     | PV.3          | 25 kg bag
Redder shade. Good strength and viscosity. Recommended primarily for water-based inks. Also suitable for solvent inks. |
| Carbazole Violet | 1503     | PV.3:1        | 10 kg bag
Recommended primarily for solvent inks. |
| Quinacridone Red Violet | 1219     | PV.19         | 20 kg bag
E5B-02 type. Gamma crystal form, bright, yellow-shade quinacridone offering excellent overall properties. FDA approved. |
| Quinacridone Red Violet | 1319     | PV.19         | 20 kg bag
E3B type. Opaque yellow shade with excellent fastness properties. Yellower and more opaque than 1219. Recommended for inks, high grade industrial and automotive coatings. |
| Quinacridone Red Violet | 1419     | PV.19         | 25 kg bag
ER-02 type. Beta crystal form, blue shade Violet 19 offering excellent overall properties. FDA approved. |
| Methyl Violet | 1227       | PV.27         | 25 kg bag
Recommended primarily for water-based inks. |
| Perylene Violet | 1029      | PV.29         | 25 kg drum
High performance pigment that is a reddish maroon shade with high tint strength. Recommended primarily for plastics and high performance coating applications. FDA approved. |
| Carbazole Violet | 1233     | PV.23         | 25 kg bag
Redder shade Violet 23. |
| Carbazole Violet | DCC-3123  | PV.23         | 20 kg bag
High-performance blue shade carbazole violet pigment for use in solvent-based ink applications. It has excellent gloss, transparency, color strength and rheology in polyamide and nitrocellulose inks. |

**Water Wettable Organic Pigments**

Water Wettable Pigments are surface treated to improve the wettability and color acceptance in water-based applications, with minimal impact on the physical properties of cementitious systems. These pigments have good weatherfastness for exterior application, and are recommended for building materials, agriculture and shoe polish application.

<table>
<thead>
<tr>
<th>Color</th>
<th>Code</th>
<th>Form</th>
<th>Description</th>
</tr>
</thead>
</table>
| Azo Yellow    | 2197       | PY.97         | 25 kg bag
FGL type. Lightfast, green shade yellow. Recommended for coatings and inks. |
| Phthalocyanine Blue | 5618   | PB.15:1       | 25 kg bag
Stir-in water dispersible bright blue. Recommended for construction and most water-based applications. |
| Extra Strong Jet Black | 490-P   | PBk.7         | 25 lb bag
Easy dispersing carbon black. Recommended for water-based systems, especially concrete and roofing granules. |
| Green         | SC16-44    | PG.7          | 25 kg bag
Stir-in water dispersible green. Recommended for construction and most water-based applications. |
**Aluminum**

DCL Aluminum Pastes, Pellets, and Powders are manufactured by Carlfors Bruk of Huskvarna, Sweden, 100+ year old, ISO 9001 certified company. Their Aluminum Pigments are world renowned for high leafing values and unsurpassed brilliance. Their fully automated factory produces products with outstanding lot to lot consistency.

### Industrial Coatings

**7075 65% Leafing Aluminum Paste**

- **500 lb drum**
- Coarse paste widely used in asphalt-based roof coatings with extremely high leafing value and brightness. Also suitable for general industrial applications. Meets ASTM D962-II, C.

**7076 70% Leafing Aluminum Paste**

- **500 lb drum**
- Coarse paste widely used in asphalt-based roof coatings with extremely high leafing value and brightness. Also suitable for general industrial applications. Meets ASTM D962-II, C.

**CB-180-73 73% Leafing Aluminum Paste**

- **500 lb drum**
- Coarse paste widely used in asphalt-based roof coatings with extremely high leafing value and brightness. Also suitable for general industrial applications. Meets ASTM D962-II, C.

**7081 65% Leafing Aluminum Paste**

- **500 lb drum**
- Medium fineness, ideally suited for trade and maintenance coatings. Offers a good combination of reflectivity and hiding. Meets ASTM D962-II, B.

**7054 73% Leafing Aluminum Paste**

- **500 lb drum**
- Medium fineness, ideally suited for trade and maintenance coatings. Offers a good combination of reflectivity and hiding. Meets ASTM D962-II, B.

**7058 65% Extra Fine Aluminum Paste**

- **500 lb drum**
- Extra fine paste. Popular in aerosol paint formulations. Meets ASTM D962-II, B.

**7053-CB 65% Non-Leafing Aluminum Paste**

- **25 kg drum**
- Non-leafing paste for trade maintenance and general industrial coatings. Meets ASTM D962-IV, B

**Sparkling Aluminum Pellets**

Carlfors Bruk Sparkling Aluminum Pellets provide shiny and brilliant metallic effects for masterbatch applications as well as when used directly in film, extrusion, injection and blown molding applications. The narrow particle size distribution delivers brighter metallic effects. Carlfors Bruk Sparkling Aluminum Pellets contain 70% aluminum and 30% polyethylene wax as the carrier. Each of these products can also be supplied as a paste in Mineral Oil with a metal content of 85%.

- **CB 140 PELL W 94 Sparkling Aluminum Pellets**
  - **25 kg bag**
  - Average particle size: 9 microns. High opacity and brightness. 94% aluminum.

- **CB-30-PEW-70 Sparkling Aluminum Pellets**
  - **25 kg bag**
  - Average particle size: 30 microns. High opacity and brightness.

- **CB-38-PEW-70 Sparkling Aluminum Pellets**
  - **25 kg bag**
  - Average particle size: 42 microns. Good opacity with moderate metallic sparkle.

- **CB-75-PEW-70 Sparkling Aluminum Pellets**
  - **25 kg bag**
  - Average particle size: 75 microns. Good opacity with good metallic sparkle.

- **CB-95-PEW-70 Sparkling Aluminum Pellets**
  - **25 kg bag**
  - Average particle size: 95 microns. Semi-transparent with good metallic sparkle.

- **CB-240-PEW-70 Sparkling Aluminum Pellets**
  - **25 kg bag**
  - Average particle size: 240 microns. Transparent with high metallic sparkle.

**AluPlast**

**7088 Aluminum Preparation**

- **25 kg bag**
- 80% in Parrafin Oil. This plastic grade is an excellent low cost alternative to aluminum “pellets”. Widely used in color concentrates for film and other applications.

**7180 Aluminum Pellets**

- **25 kg bag**
- Pellet form; metal content 80%. Same hiding power as 7088.
**Anticorrosive**

- **236 Zinc Phosphate**  
  25 kg bag  
  Easy dispersing, non-toxic zinc phosphate tetrahydrate based product developed to replace zinc chromates. Excellent salt spray performance in many systems.

- **275-XF Strontium Chromate, E.D.**  
  50 lb bag  
  Easy dispersing, low dusting, low oil absorption corrosion inhibitor. Recommended as a primer for aqueous or solvent-based paint systems.

- **243-XF Zinc Chromate ED**  
  25 kg bag  
  Extra fine, fully micronized for easy dispersing, excellent outdoor durability. (Basic Zinc Potassium Chromate)

- **264 Basic Zinc Chromate**  
  20 kg bag  
  Micronized, easy dispersing. Used in preconditioning wash primers for metals with excellent outdoor durability. (Zinc Chromate)

**Bismuth Vanadate**

### Coatings Grades

- **DCC-14247 Bismuth Vanadate, PY.184**  
  25 kg bag  
  Green shade yellow pigment with excellent heat and chemical resistance properties. It is recommended for use in high-grade industrial and automotive paints where excellent light and weatherfastness is required.

- **DCC-2096 Bismuth Vanadate, PY.184**  
  25 kg bag  
  Bright, green shade yellow pigment with high gloss and opacity versus traditional grades and very good durability properties. It is especially suitable for decorative, industrial and powder coating applications.

- **DCC-2097 Bismuth Vanadate, PY.184**  
  25 kg bag  
  Very green shade yellow pigment with high gloss and opacity versus traditional grades and very good durability properties. It is especially suitable for decorative, industrial and powder coating applications.

- **DCC-2100 Bismuth Vanadate, PY.184**  
  25 kg bag  
  Very green shade yellow pigment. It exhibits very good weatherfastness and is designed for use in premium-grade coating applications.

- **DCC-2GTAA Bismuth Vanadate, PY.184**  
  25 kg bag  
  Green shade yellow pigment with excellent alkaline stability, weatherfastness, heat stability, high saturation, high opacity and good flow properties. It is recommended for high alkaline substrates and containing systems.

- **DCC-3GLM Bismuth Vanadate, PY.184**  
  25 kg bag  
  Brilliant green shade yellow pigment with high color strength and opacity. It exhibits excellent weatherfastness and is recommended for use in automotive and high-grade industrial paints.

- **DCC-3GMX-SI Bismuth Vanadate, PY.184**  
  25 kg bag  
  Bright green shade yellow pigment with stir-in dispersing properties. DCC-3GMX-SI has the highest color strength, gloss and opacity versus traditional grades. DCC-3GMX-SI is especially suitable for automotive, industrial and decorative paint applications.

- **DCC-4GMX Bismuth Vanadate, PY.184**  
  25 kg bag  
  Very green shade yellow pigment with higher color strength versus traditional grades and very good durability properties. DCC-4GMX is especially suitable for industrial and decorative paint applications.
DCC-RMX Bismuth Vanadate, PY.184 25 kg bag
Most chromatic pure PY.184 on the market, a bright lemon shade yellow pigment with high color strength and excellent hiding power. It exhibits very good weatherfastness and is used primarily in industrial and decorative paint applications. DCC-RMX allows for much cleaner shades and lower formulation costs during color matching.

DCC-RMXS Bismuth Vanadate, PY.184 25 kg bag
Bright lemon shade yellow pigment with the highest color strength of any PY.184 available today. It exhibits excellent hiding power, and weatherfastness and is used primarily in industrial and decorative paint applications, but can be used in automotive, powder and coil coatings systems. It can also be used in certain polyolefin-based plastics. DCC-RMXS allows much cleaner shades and lower formulation costs during color matching.

Plastics Grades
DCC-2091 Bismuth Vanadate, PY.184 25 kg bag
This is a green shade yellow pigment with excellent heat stability. It has outstanding fastness properties and is used in many polymers including most demanding engineering plastics, where high temperature resistance up to 320°C is demanded. It contains no boric acid.

DCC-2GTS Bismuth Vanadate, PY.184 25 kg bag
Clean green shade yellow plastic grade pigment with high color strength and saturation. It is particularly suitable for use in polyamide and engineering plastics due to its excellent heat stability.

DCC-2GTI Bismuth Vanadate, PY.184 25 kg bag
Green shade yellow plastic grade pigment with excellent heat stability. It has outstanding fastness properties and is especially designed for the most demanding engineering plastics, where DCC-2GTI is the 1st choice due to its high temperature resistance up to 320°C. DCC-2GTI is boric-acid free.

DCC-2GTM Bismuth Vanadate, PY.184 25 kg bag
Green shade yellow plastic grade pigment with excellent heat stability. It has outstanding fastness properties and is used in many polymers including most demanding engineering plastics.

DCC-2GLMA Bismuth Vanadate, PY.184 25 kg bag
Green shade yellow pigment with excellent heat stability and weatherfastness. DCC-2GLMA features high saturation and opacity and is recommended for many paint and plastic applications. The 1st choice for polyolefins due to it being non-warping in HDPE and having excellent resistance properties.

Hybrids
DCC-3RLM Bismuth Vanadate 25 kg bag
Lemon shade yellow hybrid pigment with excellent durability properties. It exhibits high saturation, high opacity and is recommended for use in the highest-quality industrial and automotive paints.

DCC-5RLM Bismuth Vanadate 25 kg bag
Mid-shade yellow hybrid pigment with excellent durability properties. It exhibits high saturation, high opacity and is recommended for use in premium grade industrial and automotive coatings.

DCC-5RLT Bismuth Vanadate 25 kg bag
Bright mid-shade yellow hybrid pigment with high color strength. DCC-5RLT exhibits very good weather fastness and is especially developed for use in road marking paint, especially hot melt. It is also suitable for polyolefin-based applications.

Carbon Black
490-P Extra Strong Jet Black, PBk.7 25 lb bag
Easy dispersing carbon black. Recommended for water-based systems, especially concrete and roofing granules.

461 Carbon Black, PBk.7 25 lb bag
A blue tone black powder in which a coarser particle allows medium viscosity and good flocculation/flood resistance for use in coatings.

462 Carbon Black, PBk.6 10 kg bag
Blue tone black powder which is easy dispersing with low oil absorption. Recommended for plastics, masterbatch and tinting systems.
Carbon Black (continued)

4032 Carbon Black, PBk.6  20 kg bag
Medium particle size, low-cost granular carbon black. Medium viscosity and jetness. Recommended primarily for plastics and water dispersions.

410 Carbon Black, PBk.6  20 kg bag
Smaller particle size low-cost granular carbon black. The most jet of our low-cost carbon blacks, however, with the highest viscosity. Recommended for plastics requiring excellent UV properties.

Molybdate Orange & Chrome Yellow

Classic Grades

DCC-1003 Medium Yellow, PY.34  25 kg bag
Standard medium chrome yellow pigment used in plastic and coating applications.

DCC-1012 Medium Yellow, PY.34  25 kg bag
Standard medium chrome yellow pigment that is slightly redder in shade & lower tint strength compared to DCC 1003, with stir in properties used for various applications.

DCC-1032 Lemon Yellow, PY.34  25 kg bag
Standard lemon chrome yellow pigment used in plastic and coating applications.

DCC-1036 Lemon Yellow, PY.34  25 kg bag
Standard lemon chrome yellow pigment with stir in properties that is redder in shade & slightly weaker in tint strength compared to DCC 1032 used in plastic and coating applications.

DCC-1077 Primrose Yellow, PY.34  25 kg bag
Standard primrose chrome yellow pigment used in plastic and coating applications.

DCC-1080 Primrose Yellow, PY.34  25 kg bag
Standard primrose chrome yellow pigment that is greener in shade & slightly weaker in tint strength compared to DCC 1077 used in plastic and coating applications.

DCC-Y933 Lemon Yellow, PY.34  25 kg bag
Lemon chrome yellow pigment used for coatings and plastics applications.

DCC-Y934 Lemon Yellow, PY.34  25 kg bag
Lemon chrome yellow pigment that is redder in shade and marginally weaker in tint strength compared to DCC Y933 used for coatings and plastics applications.

DCC-Y969 Medium Yellow, PY.34  25 kg bag
Medium chrome yellow pigment used for coatings and plastics applications. DCC Y969 is the reddest shade medium chrome we’re promoting from the classic range. It also has higher tinting strength than both DCC 1003 and 1012.

DCC-YE998 Molybdate Orange, PR.104  25 kg bag
Blue shade Molybdate orange pigment with stir in properties that has excellent lightfastness properties (full strength), bleed resistance and heat stability (260°C).

DCC-1623 Molybdate Orange, PR.104  25 kg bag
Yellow shade Molybdate orange pigment used for coatings and plastics applications.

DCC-1624 Molybdate Orange, PR.104  25 kg bag
Yellow shade Molybdate orange pigment used for coatings and plastics applications. DCC 1624 is the yellowest moly orange we’re promoting from the classic range. It also has higher tinting strength than both DCC 1623 and 1610.

DCC-0900 Molybdate Orange, PR.104 YS  25 kg bag
Yellow shade Molybdate Orange pigment used for coatings and plastics applications.

Pre-Darkened Range

DCC-1019 Medium Yellow, PY.34  25 kg bag
Pre-darkened standard medium chrome yellow pigment used in plastic and coating applications. DCC 1019 is the greenest shade medium chrome in this series, and has similar tint strength to DCC 1012.
**Inorganic Pigments**

**DCC-1034 Lemon Yellow, PY.34**
25 kg bag
Pre-darkened lemon chrome yellow pigments used in plastic and coating applications. DCC 1034 is redder in shade compared to Y933 and 1032, and stronger in tint strength compared to DCC Y933 and Y934.

**DCC-5020 Medium Yellow, PY.34**
25 kg bag
Sulphur Dioxide (SO₂) resistant pre-darkened medium chrome yellow pigment with easy dispersing properties, and high heat stability (260°C). DCC 5020 is marginally cleaner in masstone shade compared to DCC 1019 albeit higher performing, and DCC 5020 has lower tint strength.

**DCC-1606 Molybdate Orange, PR.104**
25 kg bag
Pre-darkened blue shade molybdate orange pigment with stir in properties and high heat stability (260°C) that can be used in plastic and coating applications. DCC 1606 is yellower and stronger than YE998.

**DCC-1610 Molybdate Orange, PR.104**
25 kg bag
Pre-darkened yellow shade molybdate orange pigment with stir in properties and high heat stability (260°C) that can be used in plastic and coating applications. DCC 1610 is considerably bluer in shade & weaker in tint strength compared to DCC 1623 and 1624.

**DCC-5606 Molybdate Orange, PR.104**
25 kg bag
Pre-darkened high performance blue shade moly orange pigment recommended for exterior applications. It is SO₂ resistant with excellent heat stability properties (270°C).

**DCC-5610 Molybdate Orange, PR.104**
25 kg bag
Pre-darkened high performance yellow shade moly orange pigment recommended for exterior applications. It is SO₂ resistant with excellent heat stability properties (270°C). DCC 5610 is the yellowest shade Moly, and has the highest tint strength of any Moly in the 5000 series.

**Krolor® Range**

**DCC-KY787 Medium Orange, PY.34**
25 kg bag
Sulphur Dioxide (SO₂) resistant; silica encapsulated medium chrome yellow pigment with excellent heat resistance properties (280°C) for high-end plastic applications.

**DCC-KY788 Lemon Yellow, PY.34**
25 kg bag
Sulphur Dioxide (SO₂) resistant; silica encapsulated lemon chrome yellow pigment with excellent heat resistance properties (280°C) for high-end plastic applications.

**DCC-KY881 Lemon Yellow, PY.34**
25 kg bag
Sulphur Dioxide (SO₂) resistant; silica encapsulated lemon chrome yellow pigment with excellent heat resistance properties for coatings. DCC KY881 is similar in masstone shade and very slightly weaker in tint strength in comparison with DCC Y934.

**DCC-KY895 Medium Yellow, PY.34**
25 kg bag
Sulphur Dioxide (SO₂) resistant; silica encapsulated medium chrome yellow pigment with excellent heat resistance properties for coatings. DCC KY895 is marginally duller, and slightly weaker in tint strength compared to DCC 1012.

**DCC-KO786 Molybdate Orange, PR.104**
25 kg bag
Sulphur Dioxide (SO₂) resistant; silica blue shade moly orange pigment with excellent heat resistance properties (290°) for high-end plastics applications.

**DCC-KO789 Molybdate Orange, PR.104**
25 kg bag
Sulphur Dioxide (SO₂) resistant; silica yellow shade moly orange pigment with excellent heat resistance properties (290°) for high-end plastics applications.

**DCC-KO886 Molybdate Orange, PR.104**
25 kg bag
Sulphur Dioxide (SO₂) resistant; silica encapsulated blue shade moly orange pigment with excellent heat resistance properties for coatings. DCC KO886 is yellower in masstone, and weaker in tint strength compared to DCC YE998.

**DCC-KO889 Molybdate Orange, PR.104**
25 kg bag
Sulphur Dioxide (SO₂) resistant; silica encapsulated yellow shade moly orange pigment with excellent heat resistance properties for coatings. DCC KO889 is the yellowest shade Moly in the Krolor range and is slightly weaker than DCC 5610 in tint strength.
**Chromium Oxide Green**

Chromium Oxide Green pigments are very stable green pigments which are unaffected by acids, alkalis and solvents. They are heat stable and offer excellent value, lightfastness and weatherability.

301 Chromium Oxide Green, PG.17 50 lb bag
G4099 type. High quality clean yellow shade. Recommended primarily for coatings and plastics. FDA approved.

333 Chromium Oxide Green, PG.17 25 kg bag
High quality, clean light to medium shade. Recommended for coatings and plastics. FDA approved.

329-A Chromium Oxide Green, PG.17 25 kg bag
High quality clean light to medium shade. Recommended primarily for coatings and plastics. FDA approved.

305 Chromium Oxide Green, PG.17 50 lb bag
G6099 Type. High quality clean medium shade. Recommended primarily for coatings and plastics. FDA approved.

361 Chromium Oxide Green, PG.17 25 kg bag
Dark shade. Recommended primarily for architectural applications. FDA approved.

386 Chromium Oxide Green, PG.17 25 kg bag
Darkest shade, especially manufactured for use in military and camouflage applications requiring high reflectivity in the infrared range. FDA approved.

**Effect Pigment**

Effect pigments are composed of synthetic mica platelets or artificial glass substrates and consecutive semitransparent layers of metal oxides. They deliver superior whiteness, brilliance and coverage with extraordinary optical effects ranging from a fine-grained luster to a bold silvery-white sparkle. Recommended for general industrial coatings, plastics, and printing ink applications. FDA approved.

AG110 Fine Satin Silver 25 kg box
Silver white translucent with a satin finish. Particle size: < 15 μm.

AG111 Fine Satin Silver 25 kg box
Silver white translucent with a satin finish. Particle size: < 15 μm.

AG120 Shiny Satin 25 kg box
Silver white translucent with a satin finish. Particle size: 5 - 25 μm.

AG120A Shiny Satin 25 kg box
Silver white translucent with a satin finish. Particle size: 5 - 25 μm.

AG123 Fine Satin Silver 25 kg box
Silver white translucent with a satin finish. Particle size: 5 - 25 μm.

AG302 Satin Gold 25 kg box
Gold translucent with a satin finish. Particle size: 5 - 25 μm.

AG323 Royal Satin 25 kg box
Gold with a satin finish. Particle size: 5 - 25 μm.

AG522 Red Brown Satin 25 kg box
Reddish shade brown with a satin finish. Particle size: 5 - 25 μm.
Natural Mica - Luster

**AG100 Silver**
Silver white translucent with a brilliant finish. Particle size: 10 - 60 μm.

**AG173 Silk**
Silver white translucent pearlescent pigment with a brilliant finish. Particle size: 10 - 60 μm.

**AG308 Classical Gold**
Gold translucent with a brilliant finish. Particle size: 10 - 60 μm.

**AG425 Prussian Blue**
Blue with brilliant finish. Particle size: 10 - 60 μm.

**AG500 Bronze**
Bronze with brilliant finish. Particle size: 10 - 60 μm.

**AG401A Luster Black**
Silver gray with brilliant finish. Particle size: 10 - 60 μm.

**FiT-305 Solar Gold**
Gold pearlescent pigment with a bright finish. Particle size: 10 - 60 μm.

Natural Mica - Glitter

**AG153 Flashing Silver**
Silver white translucent with a glittery finish. Particle size: 10 - 125 μm.

**AG351 Glitter Gold**
Gold translucent with a glittery finish. Particle size: 20 - 80 μm.

Synthetic Mica

**AG6136 Pure Silk Silver**
Silver white with brilliant finish. Particle size: 10 - 60 μm.

**AG6331 Pure Gold**
Gold with brilliant finish. Particle size: 10 - 60 μm.

**AG6351 Shimmer Gold**
Gold with brilliant finish. Particle size: 10 - 100 μm.

LANOX Iron Oxide

**Excellent chemical and weather resistance with excellent opacity. Recommended for the coloration of concrete, select coatings, and plastic applications.**

Synthetic Regular

**8820 Syn Yellow Iron Oxide, PY.42**
Recommended for use in the coloration of concrete, low temperature plastics and coatings.

**8960 Syn Yellow Iron Oxide, PY.42**
Excellent chemical and weather resistance and excellent opacity. Recommended for concrete coloration.

**1872 Syn High Temperature Yel Iron Oxide**
PY.42. Special surface treatment to give greater heat stability. Intended for use in plastics up to 460°F.

**8110 Syn Red Iron Oxide, PR.101**
110 Type. A light, yellow shade.

**8110-A Syn Red Iron Oxide, PR.101**
110 type. A light yellow shade.

**8130 Syn Red Iron Oxide, PR.101**
130 Type. Bluer than 8110.

**8130-A Syn Red Iron Oxide, PR.101**
130 type. Bluer than 8110.

**6100 Syn Brown Iron Oxide (Blend)**
610 Type.

**8303T Syn High Temperature Black Iron Oxide**
High temperature black iron oxide PBk.26. Recommended for paints and coatings requiring high thermal stability such as those for furnaces, grills, etc.

**8330 Syn Black Iron Oxide, PBk.11**
330 Type.
## Natural

### 131-XF Nat Micronized Red Iron Oxide

Yellow Shade. Used in the coating of metal substrates in primers and other applications where low cost and excellent chemical and weather resistance is needed.

### Micronized

Synthetic Micronized iron oxide pigments excellent have weather and lightfastness as well as excellent dispersibility and hiding. They are recommended for select coatings and plastics applications.

### 1810M Syn Micronized Yel Iron Oxide

Recommended for low temperature plastics applications only. FDA approved.

### 2810M Syn Micronized Yel Iron Oxide

1420M Type. Lower oil absorption than 1810M with similar shade. FDA approved.

### 1820M Syn Micronized Yel Iron Oxide

Recommended for low temperature plastics applications only. Darker and redder compared to 1810M. FDA approved.

### 2820M Syn Micronized Yel Iron Oxide

3910M Type. Lower oil absorption than 1820M with similar shade. FDA approved.

### 8110M Syn Micronized Red Iron Oxide

Yellowest shade red. FDA approved.

### 8120NM Syn Micronized Red Iron Oxide

Bluer than 8110M. FDA approved.

### 8130M Syn Micronized Red Iron Oxide

Bluer than 8120NM. FDA approved.

### 8140M Syn Micronized Red Iron Oxide

Bluer than 8130BM. FDA approved.

### 8160M Syn Micronized Red Iron Oxide

Bluer than 8140BM. FDA approved.

### 8180M Syn Micronized Red Iron Oxide

Bluer than 8160M. FDA approved.

### 8318M Syn Micronized Black Iron Oxide

318M Type. For applications below 365°F. FDA approved.

### 8330M Syn Micronized Black Iron Oxide

Stronger, slightly bluer shade. For applications below 365°F. FDA approved.

## Transparent

### 8916 Transparent Yellow Iron Oxide

Transparent yellow iron oxide with high strength and UV protection properties. Recommended for wood, automotive, industrial and powder coatings, low temperature plastics and Printing ink applications.

### 8817 Transparent Red Iron Oxide

Transparent Red iron oxide with high strength and UV protection properties. Recommended for wood, automotive, industrial and powder coatings, low temperature plastics and Printing ink applications.

## Milori Blue

### 5021 Milori Blue, PB.27

Low cost blue primarily for solvent paint and ink systems.

## Ultramarine Blue & Violet

### UPL-2905 Ultramarine Blue, PB.29

Red shade for plastics and coatings. FDA approved.

### UPL-1130 Ultramarine Blue, PB.29

Stronger red shade. Greener than UPL-2905. For plastics and coatings. FDA approved.

### UPL-AR4 Ultramarine Blue, PB.29

Red shade acid resistant ultramarine blue primarily for coatings and plastics or any other application where resistance to mildly acidic conditions is required. FDA approved.
UPL-A105 Ultramarine Blue, PB.29
25 kg bag
Medium green shade for plastics and coatings. FDA approved.

UPL-3376H Ultramarine Blue, PB.29
25 kg bag
Medium red shade for plastics and coatings. Greener than UPL-A105. FDA approved.

UPL-34595 Ultramarine Blue, PB.29
25 kg bag
Green shade for plastics and coatings. Greener than UPL-3376H. FDA approved.

**µltraBlue® Ultramarine Blue & Violet Pigments**
New and improved Ultramarine Blue & Violet pigments for the coloration of plastics and coatings. FDA approved.

**Specifications:**
- Low sulfur (< 100 ppm)
- Low moisture (< 0.05% when packed)
- Low soluble salts (< 0.7%)
- Ultra Small Particle
  - (d90 < 4 micron, d100 < 44 microns)
- Consistent Shade and Strength (DE < 0.75)

**µltraBlue® 7065, PB.29**
25 kg bag
Reddest shade. Offset to Nubiola DP-25 and Holliday 5050.

**µltraBlue® 2320, PB.29**
25 kg bag
Greener shade than 7065. Offset to Nubiola E-28 and Holliday 5008/6108/6128.

**µltraBlue® 3111, PB.29**
25 kg bag
Greener than 2320. Offset to Nubiola F-36 and Holliday 6308.

**µltraBlue® 2610, PB.29**
25 kg bag
Greener than 3111. Offset to Nubiola F-37 and Holliday 5007/6177.

**µltraBlue® 3511, PB.29**
25 kg bag
Greener than 2610. Offset to Nubiola FCP-R.

**µltraBlue® 6130, PB.29**
25 kg bag
Greener than 3511. Offset to Nubiola H-55 and Holliday 6105/6125.

**µltraBlue® 8125, PB.29**
25 kg bag
Greener than 6130. Offset to Nubiola FCP-H.

**µltraBlue® 6120, PB.29**
25 kg bag
Greener than 8125. Offset to Nubiola G-58 and Holliday 5005.

**µltraBlue® 2108, PB.29**
25 kg bag
Greener than 6120. Offset to Nubiola E-62 and Holliday 5151.

**µltraBlue® 7120, PB.29**
25 kg bag
Greener than 2108. Offset to Nubiola FCP-G.

**µltraBlue® 7125, PB.29**
25 kg bag
Greener than 7120. Offset to Nubiola FG-75 and Holliday 6302.

**µltraBlue® 3010, PB.29**
25 kg bag
Greenerest shade. Offset to Nubiola C-84 and Holliday 5002/6102/6122.

**µltraBlue® UPV5, PV.15**
25 kg bag
Ultramarine violet, Bluer than V8B2. Recommended for industrial application and cosmetics. Offset to Nubiola V-5 and Holliday 5011/6111.

**µltraBlue® V8B2, PV.15**
25 kg bag
Ultramarine violet. Recommended for industrial application and cosmetics. Offset to Nubiola V-8 and Holliday 5012/6112.
Titanium Dioxide

R2041 Rutile Titanium, PW.6 25 kg bag
Low-cost sulfate process rutile titanium dioxide with good hiding power recommended for use in plastics, industrial paints, paper coatings, and rubber. Surface treated with alumina, silica and organics to improve dispersibility and durability. FDA approved.

8086 Rutile Titanium, PW.6 25 kg bag
Durable sulfate process rutile titanium dioxide. Surface treated with alumina and silica to improve dispersibility. Recommended for all applications. FDA approved.

8045 Buff Rutile Titanium Dioxide, PW.6 25 kg bag
A buff color rutile grade pigment offering comparable performance characteristic such as opacity to white TiO2. Recommended for yellow traffic marking paints, roofing granules, wood coatings, industrial primers and coatings, interior and exterior architectural paints.

RC-800-PG Rutile Titanium, PW.6 25 kg bag
Low oil absorption, chloride process rutile titanium dioxide pigment with excellent tint strength recommended for use in various applications in all industries. Surface treated with alumina and silica to improve dispersibility and durability. FDA approved.

Zinc Ferrite

Tan 221 Zinc Ferrite, PY.119 25 kg bag
Tan pigment primarily utilized in plastics due to its temperature stability up to 500°F. Tan 221 has excellent lightfastness and chemical stability.

Tan 223 Heat Stable Dark Tan 50 lb bag
Darker than Tan 221 with same temperature stability. Recommended for plastics and coatings applications.

Zinc Oxide

896 Zinc Oxide, PW.4 25 kg bag
White 4 - high purity USP French Process grade. Applications include rubber, gloss enamels, artists colors, tinting bases, paints and coatings.
## Complex Inorganic Color Pigments

We are the exclusive North American distributor for The Shepherd Color Company, a US based manufacturer of high quality Complex Inorganic Color Pigments (CICP). CICP’s are among the most durable pigments for demanding applications such as high temperature plastics and coatings requiring long term weatherfastness.

**Dynamix®**

Easy-to-disperse Complex Inorganic Color Pigments with broad range compatibility. Recommended for liquid, powder coatings, inks, dispersions, plastics and concrete applications.

<table>
<thead>
<tr>
<th>Color Code</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Black 3OC940</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Green 17. A non-warping black powder that is easily dispersible. Recommended for liquid and powder coatings, inks, dispersions, concrete and plastics.</td>
</tr>
<tr>
<td><strong>Black 3OC965</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Black 28. A non-warping, jet-black powder. It is easily dispersible and is suitable for liquid and powder coatings, inks, dispersions, concrete and plastics.</td>
</tr>
<tr>
<td><strong>Blue 3OC527</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Blue 36. A dark blue-green powder that is non-warping. Recommended for liquid and powder coatings, inks, dispersions, concrete and plastics.</td>
</tr>
<tr>
<td><strong>Blue 3OC588</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Blue 28. A non-warping, rich blue powder. It is easily dispersible and recommended for liquid and powder coatings, inks, dispersions, concrete and plastics.</td>
</tr>
<tr>
<td><strong>Blue 3OC591</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Blue 28. A non-warping, dark blue powder that is easily dispersible. Recommended for liquid and powder coatings, inks, dispersions, concrete and plastics.</td>
</tr>
<tr>
<td><strong>Brown 3OC888</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Brown 33. A non-warping, reddish brown powder. It is an easily dispersible grade pigment with excellent UV and visible opacity. Primarily recommended for coatings applications.</td>
</tr>
<tr>
<td><strong>Green 3OC612</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Green 50. A non-warping, rich green powder that is easily dispersible. Recommended for liquid and powder coatings, inks, dispersions, plastics and concrete.</td>
</tr>
<tr>
<td><strong>Green 3OC654</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Green 17. An easily dispersible green powder with excellent UV and visible opacity. Recommended for liquid and powder coatings, inks, dispersions, plastics and concrete.</td>
</tr>
<tr>
<td><strong>Green 3OC678</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Green 26. An easily dispersible, dark green powder that is non-warping. Recommended for liquid and powder coatings, inks, dispersions, plastics and concrete.</td>
</tr>
<tr>
<td><strong>Orange 3OC342</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Yellow 216. A non-warping, orange powder that is very easily dispersible. Recommended for liquid and powder coatings, inks, dispersions, concrete and plastics.</td>
</tr>
</tbody>
</table>
### Yellow 30C119
C.I. Pigment Yellow 53. A non-warping, bright yellow powder. It is very easily dispersible. Recommended for liquid and powder coatings, inks, dispersions, concrete and plastics.

### Yellow 30C152
C.I. Pigment Yellow 227. A non-warping, chromatic yellow inorganic pigment that is easily dispersible. Recommended for liquid and powder coatings, inks, dispersions, concrete and plastics.

### Yellow 30C236

### Black 1
C.I. Pigment Black 28. A non-warping jet-black powder with good UV and visible opacity. Recommended for liquid and powder coatings, inks, dispersions and plastics.

### Black 1G
C.I. Pigment Black 28. A non-warping, jet-black powder with good UV and visible opacity. Recommended for liquid and powder coatings, inks, dispersions and plastics.

### Black 10C912
C.I. Pigment Brown 29. An IR reflective black powder with good UV and visible opacity. Compatible with most resin systems and polymers. Recommended for liquid and powder coatings, inks and dispersions.

### Black 10C928
C.I. Pigment Black 28. A non-warping jet-black powder with good UV and visible opacity. Generally used in applications where resistance to heat, light and weather are needed.

### Black 10C931
C.I. Pigment Black 26. A non-warping jet-black powder with good UV and visible opacity. Generally used in applications where the absence of chromium is desired.

### Black 10G903
C.I. Pigment Brown 29. An IR reflective black powder with good UV and visible opacity. It is non-warping. Recommended for liquid and powder coatings, inks, dispersions and plastics.

### Black 10G937
C.I. Pigment Black 30. A non-warping jet-black powder with good UV and visible opacity and high infrared reflection. Recommended for liquid and powder coatings, inks, dispersions and plastics.

### Black 10G996

### Black 10K927
C.I. Pigment Black 27. A dark black powder with good UV and visible opacity. Typical applications are most ceramic glazes and body stains.

### Black 10P922
C.I. Pigment Green 17. A black powder with good UV and visible opacity. It is non-warping, non-bleeding and non-migratory. Primarily recommended for plastics.

### Black 10P923

### Black 10P950
### Black

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Opacity and UV Resistance</th>
<th>Use</th>
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### Blue

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<tr>
<th>Code</th>
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<th>Opacity and UV Resistance</th>
<th>Use</th>
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</thead>
<tbody>
<tr>
<td>10F545</td>
<td>C.I Pigment Blue 36 - A non-warping, non-bleeding and non-migratory dark blue powder intended for use in indirect or incidental food contact materials. Pigment has good opacity, and resistance to light, heat and weather. Recommended for liquid and powder coatings, inks, dispersions, concrete and plastics.</td>
<td>Good</td>
<td>Coatings, inks, dispersions, latex.</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>Code</th>
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<tr>
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<th>Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>10K525</td>
<td>C.I. Pigment Blue 28. A dark blue powder that is heat resistant and stable to UV light. Complies with ASTM C979. Recommended for concrete, stucco, grout and ceramic bodies and glazes.</td>
<td>Good</td>
<td>Coatings, inks, dispersions, latex.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Opacity and UV Resistance</th>
<th>Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>211</td>
<td>C.I. Pigment Blue 36. A non-warping, bright blue-green powder that has good UV and visible opacity. Recommended for liquid and powder coatings, inks, dispersions, concrete and plastics.</td>
<td>Good</td>
<td>Coatings, inks, dispersions, latex.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
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</thead>
</table>
### Blue

**Blue 299**


**Blue 385**

C.I. Pigment Blue 28. A non-warping, rich blue powder. It is non-bleeding and non-migratory. Recommended for liquid and powder coatings, inks, dispersions, concrete and plastics.

**Blue 424**

C.I. Pigment Green 50. A non-warping, turquoise-blue powder. It is compatible with most resin systems and polymers. Recommended for liquid and powder coatings, inks, dispersions, concrete and plastics.

### Violet

**Violet 11C**

C.I. Pigment Violet 16. A red-violet powder that is non-migrating and non-bleeding. Typical applications are cosmetics (especially those intended for use around the eye) and external use drugs.

**Violet 11T**

C.I. Pigment Violet 16. A red-violet powder that is non-migrating and non-bleeding. Primarily recommended for toning clear and white resins to mask yellowing.

**Violet 92**

C.I. Pigment Violet 14. A blue-violet powder that is non-migrating and non-bleeding. Recommended for liquid and powder coatings, inks, dispersions and plastics.

### Orange

**Orange 10C341**

C.I. Pigment Yellow 216. A non-warping, chromatic inorganic orange powder. It is non-warping and primarily recommended for coatings.

**Orange 10P340**


### Brown

**Brown 10C873**

C.I. Pigment Yellow 164. A non-warping, dark brown powder. Exhibits good UV and visible opacity and high infrared reflection. Recommended for liquid and powder coatings, inks and dispersions.

**Brown 10P850**


**Brown 10P857**


**Brown 10P858**

C.I. Pigment Brown 48 – A non-warping, non-bleeding, non-migratory red shade brown powder with exceptional durability and hiding power. Recommended for liquid and powder coatings, inks, dispersions, concrete and plastics.

**Brown 10P895**


**Brown 19**

C.I. Pigment Black 12 – A non-warping, non-bleeding and non-migratory yellow-brown powder with high infrared reflection, good UV and opacity properties. Recommended for liquid and powder coatings, inks, and dispersions.

**Brown 19FDA**

C.I. Pigment Black 12 – A non-warping, non-bleeding and non-migratory yellow-brown powder with high infrared reflection, good UV and opacity properties. Recommended for liquid and powder coatings, inks, and dispersions. FDA approved.
## Inorganic Pigments

### Green

<table>
<thead>
<tr>
<th>Pigment Code</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Green 10C650</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Green 17. A highly infrared reflective, modified chromium oxide green pigment. It is non-warping and recommended for liquid and powder coatings, inks, dispersions and plastics.</td>
</tr>
<tr>
<td><strong>Green 10G655</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Green 50. A non-bleeding, non-migratory medium green powder with exceptional durability and hiding power. Recommended for liquid and powder coatings, inks, dispersions, concrete and plastics.</td>
</tr>
<tr>
<td><strong>Green 10K637</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Blue 36. A non-warping, green-blue powder with low residual solubles and good UV and visible opacity. Recommended for liquid and powder coatings, inks, dispersions, plastics and concrete.</td>
</tr>
<tr>
<td><strong>Green 187B</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Blue 36. A green-blue powder that is non-warping. It has exceptional durability and hiding power. Recommended for liquid and powder coatings, inks, dispersions, plastics and concrete.</td>
</tr>
<tr>
<td><strong>Green 223</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Green 50. A bright green powder that is non-warping. It is non-bleeding and non-migratory. Recommended for liquid and powder coatings, inks, dispersions, plastics and concrete.</td>
</tr>
<tr>
<td><strong>Green 260</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Green 50. A non-warping, medium green powder with good UV and visible opacity. Recommended for liquid and powder coatings, inks, dispersions, plastics and concrete.</td>
</tr>
</tbody>
</table>

### Yellow

<table>
<thead>
<tr>
<th>Pigment Code</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Yellow 10C112</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Yellow 53. A non-warping, bright yellow powder with good UV and visible opacity. Recommended for liquid and powder coatings, inks and dispersions.</td>
</tr>
<tr>
<td><strong>Yellow 10C112E</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Yellow 53. A non-warping, bright yellow powder with good UV and visible opacity. Primarily recommended for plastics. REACh compliant grade of Yellow 10C112.</td>
</tr>
<tr>
<td><strong>Yellow 10C151</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Yellow 227. A non-warping, chromatic yellow inorganic pigment with good UV and visible opacity. It is non-bleeding and non-migratory. Primarily recommended for coatings.</td>
</tr>
<tr>
<td><strong>Yellow 10P110E</strong></td>
<td>25 kg box</td>
<td>C.I. Pigment Yellow 53. A non-warping, bright yellow powder with high heat resistance and UV stability. Primarily recommended for plastics. REACh compliant grade of Yellow 10P110.</td>
</tr>
</tbody>
</table>
### Inorganic Pigments

#### Yellow (continued)

<table>
<thead>
<tr>
<th>25 kg box</th>
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<tbody>
<tr>
<td><strong>Yellow 10P225</strong></td>
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</table>

<table>
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<tr>
<th>25 kg box</th>
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<tbody>
<tr>
<td><strong>Yellow 10P248</strong></td>
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</tr>
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</table>

<table>
<thead>
<tr>
<th>25 kg box</th>
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<tbody>
<tr>
<td><strong>Yellow 10P256</strong></td>
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</table>

<table>
<thead>
<tr>
<th>25 kg box</th>
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<tbody>
<tr>
<td><strong>Yellow 10P270</strong></td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>25 kg box</th>
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<tbody>
<tr>
<td><strong>Yellow 20P296</strong></td>
<td></td>
</tr>
<tr>
<td>C.I. Pigment Black 12. A non-warping, yellow-brown powder with good UV and visible opacity and high infrared reflection. It has exceptional durability and hiding power. Primarily recommended for plastics.</td>
<td></td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>25 kg box</th>
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<tbody>
<tr>
<td><strong>Yellow 196</strong></td>
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</table>

### StarLight®

<table>
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<tbody>
<tr>
<td><strong>StarLight® FX15</strong></td>
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</tr>
<tr>
<td>Micron-thick silver coated glass flakes with brilliant light reflecting properties. They are easily dispersible and add sparkle to many applications. Primarily designed for coatings, dispersions and inks.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>1 kg box</th>
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</tr>
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<tbody>
<tr>
<td><strong>StarLight® FX25</strong></td>
<td></td>
</tr>
<tr>
<td>Micron-thick silver coated glass flakes with brilliant light reflecting properties. They are easily dispersible and add sparkle to many applications. Primarily designed for coatings, dispersions and inks.</td>
<td></td>
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</tbody>
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<table>
<thead>
<tr>
<th>1 kg box</th>
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<tbody>
<tr>
<td><strong>StarLight® FL37</strong></td>
<td></td>
</tr>
<tr>
<td>Silver coated glass flakes with brilliant light reflecting properties. They are easily dispersible and add sparkle to many applications. Recommended for coatings, dispersions, inks and plastics.</td>
<td></td>
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<th>1 kg box</th>
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<tbody>
<tr>
<td><strong>StarLight® FL105</strong></td>
<td></td>
</tr>
<tr>
<td>Silver coated glass flakes with brilliant light reflecting properties. They are easily dispersible and add sparkle to many applications. Recommended for coatings, dispersions, inks and plastics.</td>
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<tr>
<th>1 kg box</th>
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<tbody>
<tr>
<td><strong>StarLight® FL500</strong></td>
<td></td>
</tr>
<tr>
<td>Silver coated glass flakes with brilliant light reflecting properties. They are easily dispersible and add sparkle to many applications. Recommended for coatings, dispersions, inks and plastics.</td>
<td></td>
</tr>
</tbody>
</table>
We are fully engaged in meeting the needs of customers worldwide. We strive to adapt to ever-changing needs through a caring and responsive approach to achieve complete customer satisfaction.

We value every customer relationship which is fostered by the following commitments:

• To satisfy our customers’ needs and expectations through our products, services and open communications;
• To comply with applicable requirements including legal, contractual and stakeholder obligations;
• To demonstrate continual improvement (Plan, Do, Check, Act - PDCA Cycle) of our products, processes and services;
• To gain insight and improve the level of customer satisfaction

Through these efforts and the maintenance of our Quality Management System, we will continually improve customer satisfaction, performance and sustainable development.
CONDITIONS OF SALE
Orders are accepted on a material availability basis only.
Pricing - please contact your local DCL representative.
Payment Terms - 30 days net.
Pricing is based on the date of shipment.

ORGANIC PIGMENT FREIGHT TERMS
Freight prepaid on orders with a minimum shipment of 500 lbs.
All shipments below 500 lbs. are shipped F.O.B. shipping point.
Minimum Order Charge - a $75.00 per order surcharge is assessed on orders below 110 lbs.
Orders of 2 bags or less may be subject to additional packing and handling charges.

INORGANIC PIGMENT FREIGHT TERMS - GENERAL
All prices are F.O.B. warehouse.
Surcharges - for orders under 2,000 lbs. add $0.15/lb.
Minimum Order Charge - a $75.00 surcharge will be added to all invoices totaling less than 500 lbs.
Orders of 2 bags or less may be subject to additional packing and handling charges.

BISMUTH VANADATE TERMS
1100 lbs and up – Prepaid and Delivered
Less than 1100 lbs – FOB Shipping Point; freight prepaid and added.
Minimum Order Charge of $15.00 applies to orders of less than 275 lbs.
Orders of 2 boxes or less may be subject to additional packaging and handling charges.

CICP FREIGHT TERMS
1100 lbs and up – Prepaid and Delivered
Less than 1100 lbs – FOB Shipping Point; freight prepaid and added.
Minimum Order Charge of $15.00 applies to orders of less than 275 lbs.
Orders of 2 boxes or less may be subject to additional packaging and handling charges.

Warehouse surcharges:
Edison, NJ – $0.10/lb | Chicago, IL – $0.10/lb | Wichita, KS - $0.15/lb | Mira Loma, CA- $0.15/lb

EFFECT PIGMENT FREIGHT TERMS
Freight prepaid on orders with a minimum shipment of 250 kg.
All shipments below 250 kg. are shipped F.O.B. shipping point.
Orders of 2 bags or less may be subject to additional packing and handling charges.

LIMITED WARRANTY: Seller warrants that its products are free from manufacturing defects. The Seller makes no other warranty beyond that contained in this writing. DISCLAIMER OF OTHER WARRANTIES: NO OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY. DISCLAIMER OF LIABILITY FOR RELIANCE ON INFORMATION PROVIDED BY THE SELLER: The information contained herein is true and accurate to the best of our knowledge, but is provided without warranty or guarantee. Since the conditions of use are beyond our control, Seller disclaims all liability and assumes no legal responsibility for damages resulting from use of or reliance upon the information contained herein. Seller strongly recommends careful screening/testing before using its products in production. TIME LIMIT FOR BRINGING SUIT: All suits must be commenced within one year from the date on which the product at issue is delivered to Buyer.
SALES MANAGEMENT

NAME
Magen Buterbaugh
Donald Greenwald
Frank Lavieri
Mark Freshwater
Larry Frank
Bruce Howie

ROLE / TERRITORY
Chief Commercial Officer
Senior Operating Advisor
EVP Sales & Marketing
VP of Sales & Marketing, Organic Pigments
VP of Sales & Marketing, Inorganic Pigments
Global Product Marketing Manager

EMAIL
mbuterbaugh@pigments.com
donald@pigments.com
frank@pigments.com
mark@pigments.com
larry@pigments.com
bhowie@pigments.com

SALES MANAGERS

Jeff Babich
Michele Claeson
Rick Devore
Paul Holder
Jon Morrison
Bob Neu
Hani Sarhan

ROLE / TERRITORY
Chicago, IL
Providence, RI
Columbus, OH
Toronto, Canada
Toronto, Canada
Cleveland, OH
Toronto, Canada

EMAIL
jbabich@pigments.com
michele@pigments.com
rick.devore@pigments.com
pholder@pigments.com
jmorris@pigments.com
bneu@pigments.com
hsarhan@pigments.com

TECHNICAL & QUALITY

Curtis Ross
Jadel Baptista
Ralph Svenningsen

ROLE / TERRITORY
Technical Service Manager / Americas
Technical Services Director / Americas
Director of Quality & Environmental Affairs

EMAIL
cross@pigments.com
j.baptista@pigments.com
ralph@pigments.com

CUSTOMER SERVICE

Shauna Baird
Rachael Goodman
Maria Gleason
Debbie McDowell
Diann Pressley
Amanda Rotatori

ROLE / TERRITORY
Customer Service Manager
Customer Service Representative
Customer Service Representative
Customer Service Representative
Customer Service Representative
Customer Service Representative

EMAIL
shauna@pigments.com
r.goodman@pigments.com
m.gleason@pigments.com
debbie@pigments.com
d.pressley@pigments.com
a.rotatori@pigments.com