
ANCC
AN CHEMICAL CORPORATION
WELCOM TO ANCC
PAINT & COATING CHEMICALS
ORGANIC &
INORGANIC
PIGMENTS

## ANCC BUSINESS APPROACH

**ANCC** close collaboration with the others international partners has caused to be ensuring that the supplied chemical materials meet the customers standards and requirements. On the other hand, our cooperation in an extensive network of reliable suppliers, not only guarantee products high-quality but also type of logistics management help to reduce transportation costs, thereby passing on significant savings to our valued customers. Our business network places a strong emphasis on supply chain management (SCM), utilizing a robust network of international suppliers. This strategic approach enables us to secure competitive pricing and maintain reliable delivery schedules. Proactively managing the supply chain allows us to mitigate risks and ensure uninterrupted supply, thereby enhancing operational efficiency and customer satisfaction. We view our customers as long-term partners in the supply chain network. By integrating them into our distribution network structure, we empower them to leverage the benefits of efficient logistics and optimized supply chain operations. This collaborative approach not only fosters stronger relationships but also enables our customers to capitalize on competitive advantages in their respective markets.

We are committed to fostering robust collaboration with our customers' research and development (R&D) departments. This dedicated partnership enables all parties to gain profound insights into evolving market needs and challenges. Our R&D teams conduct rigorous evaluations of production processes, aiming to recommend innovative solutions that not only optimize process performance and enhance product quality but also align with stringent industry standards and regulatory requirements. Through continuous engagement and proactive dialogue, we ensure that our solutions are tailored to meet the specific demands of our customers. This collaborative approach not only strengthens relationships but also drives innovation and mutual success in the competitive global marketplace.

ANCC is committed to delivering exceptional value through superior supply chain management practices, proactive research and development initiatives, and ongoing collaboration with our esteemed customers. By focusing on quality, efficiency, and innovation, we strive to exceed expectations and drive mutual success in the global marketplace. By considering the products information has presented here could be consider as a guide line for Customer's kind attention.

# ORGANIC PIGMENTS

| Product Name | Grade | | Composition | Formula | CAS | Description |
|---|---|---|---|---|---|---|
| **Phthalocyanine Blue B-15:3** | Standard Grade | PB153-S | Copper Phthalocyanine | $C_{32}H_{16}CuN_8$ | 147-14-8 | General-purpose blue pigment with good tinting strength and dispersibility. |
| | High Performance Grade | PB153-HP | Copper Phthalocyanine | $C_{32}H_{16}CuN_8$ | 147-14-8 | Enhanced stability and lightfastness, suitable for high-performance applications. |
| | Economic Grade | PB153-E | Copper Phthalocyanine | $C_{32}H_{16}CuN_8$ | 147-14-8 | Cost-effective option for applications where premium performance is not critical. |
| **Phthalocyanine Green G-7** | Standard Grade | PG7-S | Chlorinated Copper Phthalocyanine | $C_{32}H_{15}ClCuN_8$ | 1328-53-6 | Standard grade with good tinting strength and dispersion properties. |
| | High Performance Grade | PG7-HP | Chlorinated Copper Phthalocyanine | $C_{32}H_{15}ClCuN_8$ | 1328-53-6 | Enhanced stability and lightfastness, suitable for high-performance applications. |
| | Economic Grade | PG7-E | Chlorinated Copper Phthalocyanine | $C_{32}H_{15}ClCuN_8$ | 1328-53-6 | Cost-effective option for applications where premium performance is not critical. |
| **Carbazole Violet PV23** | High Performance Grade | PV23-HP | Carbazole Dioxazine | $C_{34}H_{22}C_{l2}N4O_2$ | 6358-30-1 | High performance with excellent lightfastness and stability. |
| | Standard Grade | PV23-S | Carbazole Dioxazine | $C_{34}H_{22}C_{l2}N4O_2$ | 6358-30-1 | Standard grade with good dispersion and tinting strength. |

# ORGANIC PIGMENTS

| Product Name | Grade | | Composition | Formula | CAS | Description |
|---|---|---|---|---|---|---|
| **Carbazole Violet PV23** | High Performance Grade | PV23-HP | Carbazole Dioxazine | $C_{34}H_{22}Cl_2N_4O_2$ | 6358-30-1 | High performance with excellent lightfastness and stability. |
| | Standard Grade | PV23-S | Carbazole Dioxazine | $C_{34}H_{22}Cl_2N_4O_2$ | 6358-30-1 | Standard grade with good dispersion and tinting strength. |
| **Naphthol Red PR170** | High Performance Grade | PR170-HP | Naphthol AS-D | $C_{22}H_{16}N_2O_4$ | 2786-76-7 | High performance with excellent heat resistance and color strength. |
| | Standard Grade | PR170-S | Naphthol AS-D | $C_{22}H_{16}N_2O_4$ | 2786-76-7 | Standard grade suitable for a wide range of applications. |
| **Benzimidazolone Orange PO36** | Standard Grade | PO36-S | Benzimidazolone Orange | $C_{17}H_{15}ClN_6O_3$ | 12236-62-3 | Standard grade with good lightfastness and opacity. |
| | High Performance Grade | PO36-HP | Benzimidazolone Orange | $C_{17}H_{15}ClN_6O_3$ | 12236-62-3 | High performance with excellent heat resistance. |

# INORGANIC PIGMENTS

| Product Name | Grade | | Composition | Formula | CAS | Description |
|---|---|---|---|---|---|---|
| Iron Oxide Red R-101 | Construction Grade | IOR101-C | Ferric Oxide | $Fe_2O_3$ | 1309-37-1 | High tinting strength and good dispersibility, ideal for construction materials. |
| | Coatings Grade | IOR101-G | Ferric Oxide | $Fe_2O_3$ | 1309-37-1 | Excellent weather resistance, suitable for high-quality paints and coatings. |
| | General-Purpose Grade | IOR101-GP | Ferric Oxide | $Fe_2O_3$ | 1309-37-1 | Economical option for general-purpose use. |
| Iron Oxide Yellow Y-42 | Construction Grade | IOY42-C | Ferric Oxide Hydroxide | FeO (OH) | 51274-00-1 | High tinting strength and good dispersibility, ideal for construction materials. |
| | Coatings Grade | IOY42-G | Ferric Oxide Hydroxide | FeO (OH) | 51274-00-1 | Excellent weather resistance, suitable for high-quality paints and coatings. |
| | General-Purpose Grade | IOY42-GP | Ferric Oxide Hydroxide | FeO (OH) | 51274-00-1 | Economical option for general-purpose use. |

**Pigments are insoluble** colorants which are not physically or chemically affected in an incorporated substrate. Pigments, especially those which occur in nature, have been used as colorants for hundreds of thousands of years. The development of synthetic pigments and dyes in the 19th century led to the widespread production of manufactured pigments for use in printing, coating, and finishing industries. Pigments appear to the human eye to be colored because white light — which contains all the colors of the visible spectrum — is selectively absorbed by the pigment itself. Reflected light from the pigment creates the appearance of color. For this reason, pigments (and all colors in general) appear slightly different when exposed to different types of light, such as sunlight, incandescent light, and fluorescent light. For the reasons listed above, the specification and standardization of pigments is dependent upon the light source used to test it.

# INORGANIC PIGMENTS

| Product Name | Grade | | Composition | Formula | CAS | Description |
|---|---|---|---|---|---|---|
| Pink Pigment PR122 | High Purity Grade | PR122-HP | Quinacridone | $C_{22}H_{16}N_2O_2$ | 980-26-7 | High purity with excellent chroma and transparency. |
| | Standard Grade | PR122-S | Quinacridone | $C_{22}H_{16}N_2O_2$ | 980-26-7 | Standard grade suitable for general applications. |
| Violet Pigment PV23 | High Performance Grade | PV23-HP | Carbazole Dioxazine | $C_{34}H_{22}Cl_2N_4O_2$ | 6358-30-1 | High performance with excellent lightfastness and stability. |
| | Standard Grade | PV23-S | Carbazole Dioxazine | $C_{34}H_{22}Cl_2N_4O_2$ | 6358-30-1 | Standard grade with good dispersion and tinting strength. |
| Red Pigment PR170 | High Performance Grade | PR170-HP | Naphthol AS-D | $C_{22}H_{16}N_2O_4$ | 2786-76-7 | High performance with excellent heat resistance and color strength. |
| | Standard Grade | PR170-S | Naphthol AS-D | $C_{22}H_{16}N_2O_4$ | 2786-76-7 | Standard grade suitable for a wide range of applications. |

For example, the L*a*b* color specification system is based on a D65 (6500 K) light source, which is nearly equivalent to sunlight. While "raw" pigments reflect light which is highly saturated in color, they are more typically combined with binders and other additives which influence physical properties of the pigment. As such, the addition of a binder results in the perception of a slightly dull color because some of the pure light naturally reflects off of the binder instead of the pigment molecules.

# INORGANIC PIGMENTS

| Product Name | Grade | Product Code | Chemical Composition | Formula | CAS Number | Description |
|---|---|---|---|---|---|---|
| Blue Pigment PB29 | Ultramarine Grade | PB29-UM | Sodium Aluminosilicate Sulphur | $Na_7Al_6Si_6O_{24}S_3$ | 57455-37-5 | Ultramarine blue with high color purity and stability. |
| | Standard Grade | PB29-S | Sodium Aluminosilicate Sulphur | $Na_7Al_6Si_6O_{24}S_3$ | 57455-37-5 | Standard grade for general industrial use. |

Pigments and dyes are used similarly as colorants but have fundamental differences and applications. The primary difference is solubility: pigments are not soluble within the vehicle, resulting in a suspension. Dyes, on the other hand, are either liquids or fully soluble in its vehicle, resulting in a solution. A single colorant may be considered either a dye or a pigment depending upon the vehicle or substrate it is used with. Pigment colorants are typically longer-lasting and resist fading due to the fact that the pigment molecules tend to bond directly to the substrate. In industrial printing applications, pigment inks are typically used to color slick surfaces, such as transparencies and stickers, which would wick off dye ink. Dyes do have the advantage of lower cost and improved color vibrancy when compared with pigments. The image below shows the difference in light reflection from two different printed surfaces. Note that the pigment ink results in a rough surface due to the suspension of dry pigment within the ink; this surface causes scattered reflection, resulting in the perception of a less-vibrant color. Like all colorants, pigments are useful in any application requiring the coloring of a product or substrate. Modern uses for industrial pigments include Masterbatches for plastics manufacturing, Instrument indicator needles (fluorescent pigments), Preprinted packaging, Finished goods, Eyeglass lenses (photochromic and thermochromic pigments). The largest global pigment industries by value are Inks - publishing, packaging, and printing, Paints and coatings - automotive and architectural, Plastics and rubber, Concrete.

# Specialty Pigments

| Product Name | Grade | Product Code | Chemical Composition | Formula | CAS Number | Description |
|---|---|---|---|---|---|---|
| Pink Pigment PR122 | High Purity Grade | PR122-HP | Quinacridone | $C_{22}H_{16}N_2O_2$ | 980-26-7 | High purity with excellent chroma and transparency. |
| | Standard Grade | PR122-S | Quinacridone | $C_{22}H_{16}N_2O_2$ | 980-26-7 | Standard grade suitable for general applications. |
| Violet Pigment PV23 | High Performance Grade | PV23-HP | Carbazole Dioxazine | $C_{34}H_{22}Cl_2N_4O_2$ | 6358-30-1 | High performance with excellent lightfastness and stability. |
| | Standard Grade | PV23-S | Carbazole Dioxazine | $C_{34}H_{22}Cl_2N_4O_2$ | 6358-30-1 | Standard grade with good dispersion and tinting strength. |
| Red Pigment PR170 | High Performance Grade | PR170-HP | Naphthol AS-D | $C_{22}H_{16}N_2O_4$ | 2786-76-7 | High performance with excellent heat resistance and color strength. |
| | Standard Grade | PR170-S | Naphthol AS-D | $C_{22}H_{16}N_2O_4$ | 2786-76-7 | Standard grade suitable for a wide range of applications. |
| Red Pigment PR170 | High Performance Grade | PR170-HP | Naphthol AS-D | $C_{22}H_{16}N_2O_4$ | 2786-76-7 | High performance with excellent heat resistance and color strength. |
| | Standard Grade | PR170-S | Naphthol AS-D | $C_{22}H_{16}N_2O_4$ | 2786-76-7 | Standard grade suitable for a wide range of applications. |

## Specialty Pigments

| Product Name | Grade | Product Code | Chemical Composition | Formula | CAS Number | Description |
|---|---|---|---|---|---|---|
| Blue Pigment PB29 | Ultramarine Grade | PB29-UM | Sodium Aluminosilicate Sulphur | $Na_7Al_6Si_6O_{24}S_3$ | 57455-37-5 | Ultramarine blue with high color purity and stability. |
| | Standard Grade | PB29-S | Sodium Aluminosilicate Sulphur | $Na_7Al_6Si_6O_{24}S_3$ | 57455-37-5 | Standard grade for general industrial use. |

## Carbon Black

| Product Name | Grade | Product Code | Chemical Composition | Formula | CAS Number | Description |
|---|---|---|---|---|---|---|
| Carbon Black N220 | High Structure Grade | CB220-HS | Amorphous Carbon | C | 1333-86-4 | High structure, reinforcing grade, good tensile strength. |
| Carbon Black N330 | General Purpose Grade | CB330-GP | Amorphous Carbon | C | 1333-86-4 | General-purpose reinforcing grade with balanced properties. |
| Carbon Black N550 | Low Structure Grade | CB550-LS | Amorphous Carbon | C | 1333-86-4 | Low structure, good dispersion, and high gloss. |
| Carbon Black N660 | Semi-Reinforcing Grade | CB660-SR | Amorphous Carbon | C | 1333-86-4 | Semi-reinforcing with good processability and low hysteresis. |

# PIGMENT FOR COATING

| Color | Product Name & Code | C. I. Name | Decorative Pain | | Industrial Coatings | | | | | Light fastness Full Tone/Tint | Weather fastness Full Tone/Tint | Heat Stability (°C) | Overspray |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Solvent Base | Water Base | Automotive OEM | Automotive Refinish | Industrial Paints | Powder Coatings | Coil Coatings | | | | |
| | Yellow 3032C | PY 138 | ● | ● | ○ | ○ | ● | ● | | 8/7 | 5/4 | 200 | 5 |
| | Yellow 3030C | PY 138 | ● | ● | ○ | ○ | ● | ● | | 8/7 | 5/4 | 200 | 5 |
| | Yellow 2903 | PY 151 | ● | | ○ | ● | ● | ● | | 8/7 | 5/4 | 180 | 5 |
| | Yellow 2906 | PY 154 | ● | ● | ○ | ● | ● | ● | | 8/7 | 5/4 | 160 | 5 |
| | Yellow G | PY 1 | ● | ● | | | | | | 7/5 | — | — | — |
| | Yellow 130C | PY 74 | ● | ● | | | ○ | | | 7/5 | 4/2 | — | — |
| | Yellow 127 | PY 74 | ● | ● | | | ○ | | | 7/5 | 4/2 | — | — |
| | Yellow 117 | PY 74 | ● | ● | | | | | | 7/5 | 4/2 | — | — |
| | Yellow 128C | PY 74 | | ● | | | | | | 6/5 | 4/2 | — | — |
| | Yellow 118 | PY 65 | ● | ● | | | | | | 6/5 | 4/2 | — | 3 |
| | Yellow 119C | PY 65 | ● | ● | | | | | | 6/5 | 4/2 | — | 3 |
| | Yellow 134 | PY 83 | ● | ● | | | ● | ● | | 7/6 | 4/3 | 200 | 4-5 |
| | Yellow 137C | PY 83 | ● | ○ | | | ● | ● | | 7/5 | — | 200 | — |
| | Yellow 2937C | PY 139 | ● | | ○ | ● | ● | ● | | 7-8/7 | 4/3-4 | 180 | 5 |
| | Yellow 2935 | PY 139 | ● | | ○ | ● | ● | ● | | 7-8/7 | 4/3-4 | 180 | 5 |
| | Yellow 2929C | PY 110 | ○ | ● | ● | ● | ● | ● | ○ | 8/7 | 5/4 | 200 | 5 |
| | Yellow 2925C | PY 110 | ○ | ○ | ● | ● | ● | ● | ○ | 8/7 | 5/4 | 200 | 4-5 |
| | Orange 2919 | PO 64 | | | | | | ● | ○ | 5-6/3 | — | 180 | — |
| | Orange 2915C | PO 36 | ● | ● | ○ | ● | ● | ● | | 8/7 | 5/4 | 160 | 5 |
| | Red 401 | PR 4 | ● | ● | | | | | | 6/3 | — | — | — |
| | Red 417 | PR 3 | ● | ● | | | | | | 6/4 | — | — | — |
| | Red 415 | PR 3 | ● | ○ | | | | | | 6/4 | — | — | — |
| | Red 341 | PR 112 | ● | ● | | | | | | 7-8/4-5 | — | — | — |
| | Red 336 | PR 112 | ● | ● | | | | | | 7/6 | — | — | — |
| | Red 331 | PR 112 | ● | ● | | | | | | 7/5-6 | — | — | — |
| | Red 2963C | PR 170 | ● | ● | | ● | ● | ● | | 7/5 | 4/2 | 180 | 4-5 |
| | Red 2967C | PR 170 | ● | ● | | ● | ● | ● | | 7/5 | 4/2 | 180 | 4-5 |
| | Red 2951C | PR 264 | | ○ | ● | ● | ● | ● | ○ | 8/8 | 5/5 | 200 | 5 |
| | Red 2953C | PR 264 | | | ● | ● | ● | ● | ○ | 8/7 | 5/4 | 200 | 4-5 |
| | Red 2975C | PR 177 | | | ● | ● | ● | ● | ○ | 8/7 | 5/4 | 200 | 5 |

# PIGMENT FOR COATING

| Color | Product Name & Code | C. I. Name | Decorative Pain | | Industrial Coatings | | | | | Light fastness Full Tone/Tint | Weather fastness Full Tone/Tint | Heat Stability (°C) | Overspray |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Solvent Base | Water Base | Automotive OEM | Automotive Refinish | Industrial Paints | Powder Coatings | Coil Coatings | | | | |
| | Red 2987 | PV 19 | ● | ● | ○ | ● | ● | ● | ● | 8/7 | 5/4 | 200 | 5 |
| | Red 2988C | PV 19 | ● | ● | ● | ● | ● | ● | ● | 8/7 | 5/4 | 200 | 5 |
| | Pink 2998 | PR 122 | ● | ● | | | | | | 8/7 | 5/4 | 200 | 5 |
| | Pink 3000C | PR 122 | ● | ● | ● | ● | ● | ● | ● | 8/7 | 5/4 | 200 | 5 |
| | Red Violet 2995 | PV 19 | ● | ● | ● | ● | ● | ● | ● | 8/7 | 5/4 | 200 | 5 |
| | Violet 2940C | PV 23 | ● | ● | ○ | ● | ● | ● | ● | 8/8 | 5/4 | 180 | 5 |
| | Violet 2941C | PV 23 | ● | ● | ○ | ● | ● | ● | ● | 8/8 | 5/4 | 180 | 5 |
| | Blue 2662 | PB 15:1 | ● | ● | ○ | ● | ● | ○ | ● | 8/8 | 5/5 | 200 | 5 |
| | Blue 2764 | PB 15:1 | | | | | | ● | | 8/8 | 5/5 | 200 | 5 |
| | Blue 2773 | PB 15:2 | ○ | ● | ● | ● | ● | ● | ● | 8/8 | 5/5 | 200 | 5 |
| | Blue 2778C | PB 15:3 | ● | ● | | | ○ | ○ | ○ | 8/8 | 5/5 | 200 | 5 |
| | Blue 2784 | PB 15:3 | ● | ● | | ○ | ● | ○ | ● | 8/8 | 5/5 | 200 | 5 |
| | Blue 2785 | PB 15:3 | ● | ● | | | | | | 8/8 | 5/5 | 200 | 5 |
| | Blue 2789 | PB 15:3 | | | | | | ● | | 8/8 | 5/5 | 200 | 5 |
| | Blue 2796 | PB 15:4 | ● | ● | ● | ● | ● | ○ | ● | 8/8 | 5/5 | 200 | 5 |
| | Green 2727C | PG 7 | ● | ● | ○ | ● | ● | ● | ● | 8/8 | 5/5 | 200 | 5 |
| | Green 2729C | PG 7 | ● | ● | ○ | ● | ● | ● | ● | 8/8 | 5/5 | 200 | 5 |

# AN CHEMICAL CORPORATION

# ANCC


ANCC was founded in 2000 in the heart of Chemicals world. ANCC, a Chemicals supplier and strategic partner to all Process & Non-Process worldwide industries, is the leading supplier of cutting-edge science and technologies. ANCC is an important unit of the customer's organization, to be ensured products quality are not only in line with worldwide standards but also stockholder's interests would be assuring in all of financially, socially, healthy, happiness, and environmental aspects.