The Expertise at Shepherd Color will help you to reduce time and help you to develop a superior product. With continuing advances in color and technology, rely on Shepherd Color to Brighten Your Life with quality products and the latest innovation.

MORE KNOWLEDGE
We are known as a leader in the color industry with continuous improvement of technical applications and a history of innovation. The Shepherd Color Company is a recognized regulatory resource.

BETTER ANSWERS
Helping you to get the answers without a lot of work on your side. Shepherd is your trusted advisor every step of the way.

BETTER RESULTS
Get to the end result more efficiently and effectively. This will lead to increased market opportunities for you!

Our roots originate in the 1920s ceramics industry, where we supplied colors for porcelain enamels. By the early 1960s, our product line had expanded to a full range of complex inorganic color pigments for the premium coatings and plastics markets.

Today, our products are used in many diverse applications, particularly where performance is critical under the most extreme conditions.

Our success has been built upon the fundamental belief that exemplary character, quality work, and customized products brighten the lives of everyone involved.

Headquartered in Cincinnati, Ohio with sales offices in Belgium, Australia, and Japan, we supply millions of pounds annually of high-quality pigments to customers around the world.

World class scientists in Shepherd Color’s laboratories develop new and innovative pigments, maintain the highest level of quality control and ensure environmental and regulatory compliance.

Shepherd Color’s pigments maintain their color in long lasting outdoor coatings and polymer systems, high temperature engineering plastics and highly corrosive environments.

From Classic to Arctic Infrared Reflective to Dynamix Stir-In, Shepherd Color pigments will help to cut time and waste.

Shepherd Color has distinguished and differentiated themselves in their ability to come in and talk about the basic chemistry of the products.”

Shepherd Color Customer
WORK WITH THE RIGHT TEAM

The Expertise at Shepherd Color will help you to reduce time and help you to develop a superior product. With continuing advances in color and technology, rely on Shepherd Color to Brighten Your Life with quality products and the latest innovation.

MORE KNOWLEDGE
We are known as a leader in the color industry with continuous improvement of technical applications and a history of innovation. The Shepherd Color Company is a recognized regulatory resource.

BETTER ANSWERS
Helping you to get the answers without a lot of work on your side. Shepherd is your trusted advisor every step of the way.

BETTER RESULTS
Get to the end result more efficiently and effectively. This will lead to increased market opportunities for you!

DO YOU HAVE THE RIGHT COMPANY BEHIND YOU?

OTHERS

• VS •

FOR YOU

AND YOUR CUSTOMERS

MORE EXPERTISE

World class scientists in Shepherd Color’s laboratories develop new and innovative pigments, maintain the highest level of quality control and ensure environmental and regulatory compliance.

BETTER PERFORMANCE

Shepherd Color’s pigments maintain their color in long lasting outdoor coatings and polymer systems, high temperature engineering plastics and highly corrosive environments.

BEST VALUE

From Classic to Arctic Infrared Reflective to Dynamix Stir-In, Shepherd Color pigments will help to cut time and waste.

Our roots originate in the 1920s ceramics industry, where we supplied colors for porcelain enamels. By the early 1960s, our product line had expanded to a full range of complex inorganic color pigments for the premium coatings and plastics markets.

Today, our products are used in many diverse applications, particularly where performance is critical under the most extreme conditions.

Our success has been built upon the fundamental belief that exemplary character, quality work, and customized products brighten the lives of everyone involved.

Headquartered in Cincinnati, Ohio with sales offices in Belgium, Australia, and Japan, we supply millions of pounds annually of high-quality pigments to customers around the world.

“Shepherd Color has distinguished and differentiated themselves in their ability to come in and talk about the basic chemistry of the products.”

Shepherd Color Customer
FIND THE RIGHT PRODUCTS
Shepherd Color pigments are highly-engineered ceramic colorants — and that means tough! They are impervious to sunlight, chemicals, and thermal attack. They are compatible with not only widely used polymers, but also the most exotic, difficult-to-formulate systems. Their extreme inertness defends against migration from plastics or coatings, and helps to ensure environmentally sound, non-toxic recipes. Have confidence that your colors will outlast your product.

MORE DURABLE
Our robust and reliable products are built for long term applications. They are lightfast, chemical, and temperature resistant.

MORE CONSISTENT
With our precision color matching you have less guess work and waste. The Shepherd Color Company will give you confidence in meeting regulatory requirements with our reliable and dependable people and products.

MORE RESPONSIVE
Ask questions to our technical support staff as well as have access to top scientists and engineers. We have a dedicated Customer Experience staff to help you every step of the order process to ensure that our products and sample orders are delivered fast worldwide.

PARTNER WITH SHEPHERD COLOR FOR SUCCESS
The right partner will help your product development so that you stop missing growth opportunities. Shepherd Color will support you across all levels to help you cut time and waste and increase your speed to market. A solid long-term partnership with Shepherd Color will lead to more satisfied downstream users.

MORE BENEFITS
We strive to make business easier for you, whether in the lab or the office, with support across all levels. Our products speak for themselves with the benefits they offer.

LOWER COST
Using our specialized products and support systems will help you cut time and waste. You will get more with less with higher strength.

YOUR SUCCESS
Get the right answers faster. We will help you develop products with More Expertise, Better Performance and Best Value to impress your customers.
FIND THE RIGHT PRODUCTS
Shepherd Color pigments are highly-engineered ceramic colorants — and that means tough! They are impervious to sunlight, chemicals, and thermal attack. They are compatible with not only widely used polymers, but also the most exotic, difficult-to-formulate systems. Their extreme inertness defends against migration from plastics or coatings, and helps to ensure environmentally sound, non-toxic recipes. Have confidence that your colors will outlast your product.

MORE DURABLE
Our robust and reliable products are built for long term applications. They are lightfast, chemical, and temperature resistant.

MORE CONSISTENT
With our precision color matching you have less guess work and waste. The Shepherd Color Company will give you confidence in meeting regulatory requirements with our reliable and dependable people and products.

MORE RESPONSIVE
Ask questions to our technical support staff as well as have access to top scientists and engineers. We have a dedicated Customer Experience staff to help you every step of the order process to ensure that our products and sample orders are delivered fast worldwide.

PARTNER WITH SHEPHERD COLOR FOR SUCCESS
The right partner will help your product development so that you stop missing growth opportunities. Shepherd Color will support you across all levels to help you cut time and waste and increase your speed to market. A solid long-term partnership with Shepherd Color will lead to more satisfied downstream users.

MORE BENEFITS
We strive to make business easier for you, whether in the lab or the office, with support across all levels. Our products speak for themselves with the benefits they offer.

LOWER COST
Using our specialized products and support systems will help you cut time and waste. You will get more with less with higher strength.

YOUR SUCCESS
Get the right answers faster. We will help you develop products with More Expertise, Better Performance and Best Value to impress your customers.
Outstanding performance, customer service and reliability are fundamental to our business philosophy. We work hard to deliver our products on time and with the confidence that they will perform consistently.

We support our worldwide customer base with a staff of technically trained sales representatives and a global distribution network. From special effect, IR reflective to easily dispersed, Shepherd Color can meet your pigment requirements.

Shepherd Color has been ISO certified since 1994. We maintain ISO certification through frequent internal audits, continuous training and periodic reviews, all of which help guarantee that we deliver the best products possible, both now and in the future. With ongoing advances in color and technology, rely on Shepherd Color to Brighten Your Life with quality products and the latest innovation.

**QUALITY**

**ARCTIC INFRARED REFLECTIVE COLOR PIGMENTS**
Arctic Infrared-Reflective pigments allow for the design of products that remain cooler under the sun – without sacrificing color! Durable. Color. Cooler.

**APPLICATIONS**
- Coatings
- Vinyl, Windows, and Siding
- Cement Concrete and Pavers
- Roof Ties
- Automotive
- Military
- Decking / Fencing

**DYNAMIX STIR-IN PIGMENTS**
Dynamix stir-in pigments are designed with the ease of a liquid colorant, while still being a dry powder and 100% pure color.

Get Pure Profitability, Pure Consistency and Pure Convenience with Dynamix.

**APPLICATIONS**
- Building & Construction
- General Industrial
- Automotive
- ACE
- High Heat
- Traffic Paint
- Maintenance Coatings
- Architectural
Outstanding performance, customer service and reliability are fundamental to our business philosophy. We work hard to deliver our products on time and with the confidence that they will perform consistently.

We support our worldwide customer base with a staff of technically trained sales representatives and a global distribution network. From special effect, IR reflective to easily dispersed, Shepherd Color can meet your pigment requirements.

Shepherd Color has been ISO certified since 1994. We maintain ISO certification through frequent internal audits, continuous training and periodic reviews, all of which help guarantee that we deliver the best products possible, both now and in the future. With ongoing advances in color and technology, rely on Shepherd Color to Brighten Your Life with quality products and the latest innovation.

**QUALITY**

**ARCTIC INFRARED REFLECTIVE COLOR PIGMENTS**
Arctic Infrared-Reflective pigments allow for the design of products that remain cooler under the sun – without sacrificing color! Durable. Color. Cooler.

**APPLICATIONS**
- Coatings
- Vinyl, Windows, and Siding
- Cement Concrete and Pavers
- Roof Tiles
- Automotive
- Military
- Decking / Fencing

**DYNAMIX STIR-IN PIGMENTS**
Dynamix stir-in pigments are designed with the ease of a liquid colorant, while still being a dry powder and 100% pure color.

Get Pure Profitability, Pure Consistency and Pure Convenience with Dynamix.

**APPLICATIONS**
- Building & Construction
- General Industrial
- Automotive
- ACE
- High Heat
- Traffic Paint
- Maintenance Coatings
- Architectural
STARLIGHT SPECIAL EFFECT PIGMENTS
With MicroMirror® technology silver-coated glass flake special effect pigment used for unsurpassed sparkle and brilliance to create dramatic effects.

APPLICATIONS
• Transportation
• Fashion
• Building and Construction
• Consumer Goods
• Electronics
• Sports and Leisure

CALYPSO PIGMENTS
Useful for cementitious applications, such as concrete, grout, stucco and putz. The CALYPSO line of Shepherd pigments provides permanent colors. They are weather resistant, heat resistant, alkali resistant, and acid resistant. Our CALYPSO colors are also very easy to disperse.

APPLICATIONS
• Coatings
• Vinyl, Windows, and Siding
• Cement Concrete and Pavers
• Roof Tiles
• Automotive
• Military
• Decking / Fencing

CLASSIC COMPLEX INORGANIC COLOR PIGMENTS
Complex Inorganic Color Pigments with unbeatable weatherability, heat and chemical resistance, are non-warping and easy to disperse.

APPLICATIONS
• Coatings
• Plastics
• Concrete
• Glass

“One of best companies in the industry we deal with, this goes from the sales side to the president of the company.”

Shepherd Color Customer
**STARLIGHT SPECIAL EFFECT PIGMENTS**
With MicroMirror® technology silver-coated glass flake special effect pigment used for unsurpassed sparkle and brilliance to create dramatic effects.

**CALYPSO PIGMENTS**
Useful for cementitious applications, such as concrete, grout, stucco and putz, the CALYPSO line of Shepherd pigments provides permanent colors. They are weather resistant, heat resistant, alkali resistant, and acid resistant. Our CALYPSO colors are also very easy to disperse.

**APPLICATIONS**
- Transportation
- Fashion
- Building and Construction
- Consumer Goods
- Electronics
- Sports and Leisure

**CLASSIC COMPLEX INORGANIC COLOR PIGMENTS**
Complex Inorganic Color Pigments with unbeatable weatherability, heat and chemical resistance, are non-warping and easy to disperse.

**APPLICATIONS**
- Coatings
- Plastics
- Concrete
- Glass

“One of best companies in the industry we deal with, this goes from the sales side to the president of the company.”

*Shepherd Color Customer*
OUR PURPOSE
At Shepherd Color we don’t just brighten the world with our pigments. As a company we strive to enhance the lives of everyone with whom we have contact. That means working to satisfy the needs and advance the goals of our employees, families, customers, suppliers, shareholders and community. We know striving for excellence in every facet of our operations is good business. More importantly, the impact it has on people is what makes business worth doing.

OUR CORE VALUES
Our core values don’t just direct us; they define us. We are people of exemplary character. We strive for excellence in all we do. We work for long-term impact.

OUR QUALITY PURPOSE
We understand that excellence and self-improvement must go hand in hand. While providing superior products and service, we continually work to improve our operations for the mutual benefit of both our internal and external customers.
OUR PURPOSE

At Shepherd Color we don’t just brighten the world with our pigments. As a company we strive to enhance the lives of everyone with whom we have contact. That means working to satisfy the needs and advance the goals of our employees, families, customers, suppliers, shareholders and community. We know striving for excellence in every facet of our operations is good business. More importantly, the impact it has on people is what makes business worth doing.

OUR CORE VALUES

Our core values don’t just direct us; they define us. We are people of exemplary character. We strive for excellence in all we do. We work for long-term impact.

OUR QUALITY PURPOSE

We understand that excellence and self-improvement must go hand in hand. While providing superior products and service, we continually work to improve our operations for the mutual benefit of both our internal and external customers.

OVER 70 YEARS OF EXPERIENCE

Shepherd Color is a fourth-generation family-owned and operated business dedicated to being a world-class producer of complex inorganic color pigments. Started in the late 1920s as the color department of The Shepherd Chemical Company, we originally made ceramic colors, primarily for the porcelain enamel industry. By the early 1960s, the color department’s product line had expanded to a full range of complex inorganic color pigments used in the premium coatings and plastics markets. Thanks to increasing sales in those markets, the color operation outgrew its space at Shepherd Chemical. In 1980, The Shepherd Color Company was organized as a separate entity and relocated to a new facility north of Cincinnati.

Since our spin-off, we’ve broadened our global reach. Each year Shepherd Color supplies thousands of tones of high-quality pigments to customers through sales offices in the United States, Belgium, Australia and Japan along with local distribution and warehouses worldwide.
BRIDGE THE GAP

**MORE COLORS**
No more “Figuring it Out.” With these new break-through products and our expanded color envelope, you won’t have to compromise the color you want for the standards you have to meet.

**MORE DURABILITY**
No more inconsistency. All Shepherd Color products are engineered to battle the elements. With chemistry that can be applied to a wide range of materials, differential weathering is a thing of the past.

**MORE RELIABLE**
No more nonsense. When you have to engineer or multiply processes, you lose money. With NTP Yellow, you’ll use less pigment, and reduce waste with colors that are inherently higher performance.

HIGHLY DURABLE, BRIGHT COLORS FOR HIGHLY DEMANDING ENGINEERING APPLICATIONS.
From special effect, IR reflective to easily dispersed, Shepherd Color can meet your pigment requirements.

Col Coatings  
Silicate Coatings  
Automotive Coatings  
Powder Coatings  
High-Heat Coatings

Engineering Plastics  
High-Solar Reflectivity Systems  
High-Durability Applications  
Signage Applications  
Corporate Colors

YOU DON’T HAVE TO SETTLE FOR “PRETTY GOOD” ANY LONGER...
With Shepherd Color NTP Yellow and RTZ Orange, you get the colors you want with the attributes you need.

MORE COLORS  
Increase in the Durable Color Envelope

CHROMATIC

MORE DURABILITY  
South Florida Weathering

WANT MORE INFO?  
www.shepherdcolor.com
<table>
<thead>
<tr>
<th>Masstone</th>
<th>4:1 Tint</th>
<th>Shepherd Product</th>
<th>Pigment Color Index</th>
<th>Total Solar Reflectance</th>
<th>Heat Roll-Up (in.)</th>
<th>FDA Approved</th>
<th>CONEG</th>
<th>RadISI/WEEC</th>
<th>EN 71-3 (Cat.1)</th>
<th>EN 71-3 (Cat.11)</th>
<th>AP [891]</th>
<th>French Positive List</th>
<th>Heat Stability</th>
<th>Light Extinction (10%)</th>
<th>Mass Extinction (2% &amp; 20%)</th>
<th>Specif. Gravity</th>
<th>Recommended for use in:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Black 430</td>
<td>CI Black 28</td>
<td>6%</td>
<td>41°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>0.9</td>
<td>5.4</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Black 376A</td>
<td>CI Black 30</td>
<td>13%</td>
<td>38°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>1.1</td>
<td>5.3</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Black 10P923</td>
<td>CI Brown 29</td>
<td>✓</td>
<td>27%</td>
<td>28°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>1.3</td>
<td>5.1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Black 10P922</td>
<td>CI Green 17</td>
<td>✓</td>
<td>25%</td>
<td>26°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>1.7</td>
<td>5.2</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Black 10G996</td>
<td>CI Brown 29</td>
<td>✓</td>
<td>27%</td>
<td>25°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>1.2</td>
<td>5.4</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Black 10P950</td>
<td>CI Brown 29</td>
<td>✓</td>
<td>29%</td>
<td>28°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>0.9</td>
<td>5.1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Blue 214</td>
<td>CI Blue 28</td>
<td>✓</td>
<td>28%</td>
<td>37°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>1.1</td>
<td>4.1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Blue 211</td>
<td>CI Blue 36</td>
<td>✓</td>
<td>29%</td>
<td>35°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>1.0</td>
<td>4.7</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Blue 424</td>
<td>CI Green 50</td>
<td>✓</td>
<td>42%</td>
<td>31°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>2.0</td>
<td>3.7</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Green 187B</td>
<td>CI Blue 36</td>
<td>✓</td>
<td>29%</td>
<td>33°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>1.6</td>
<td>4.8</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Green 179</td>
<td>CI Green 26</td>
<td>✓</td>
<td>24%</td>
<td>34°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>2.5</td>
<td>5.2</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Green 10G55</td>
<td>CI Green 17</td>
<td>✓</td>
<td>40%</td>
<td>25°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>1.8</td>
<td>5.1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Green 10G55</td>
<td>CI Green 50</td>
<td>✓</td>
<td>25%</td>
<td>35°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>1.3</td>
<td>5.4</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Yellow 10P110</td>
<td>CI Yellow 53</td>
<td>✓</td>
<td>69%</td>
<td>20°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>1.4</td>
<td>4.6</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Yellow 10P225</td>
<td>CI Brown 24</td>
<td>✓</td>
<td>63%</td>
<td>22°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>0.9</td>
<td>4.6</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Yellow 10P270</td>
<td>CI Brown 24</td>
<td>✓</td>
<td>60%</td>
<td>19°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>1.3</td>
<td>4.6</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Yellow 10P248</td>
<td>CI Brown 24</td>
<td>✓</td>
<td>65%</td>
<td>21°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>0.9</td>
<td>4.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Yellow 196</td>
<td>CI Brown 24</td>
<td>✓</td>
<td>62%</td>
<td>20°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>1.6</td>
<td>4.6</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Yellow 10P150</td>
<td>CI Yellow 227</td>
<td>✓</td>
<td>73%</td>
<td>21°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>320°C 8</td>
<td>0.9</td>
<td>5.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Orange 10P340</td>
<td>CI Yellow 216</td>
<td>✓</td>
<td>62%</td>
<td>23°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>320°C 8</td>
<td>1.3</td>
<td>4.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Yellow 20P296</td>
<td>CI Black 12</td>
<td>✓</td>
<td>48%</td>
<td>26°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>1.0</td>
<td>4.2</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Brown 19FDA</td>
<td>CI Black 12</td>
<td>✓</td>
<td>46%</td>
<td>26°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>2.0</td>
<td>4.1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Yellow 10P256</td>
<td>CI Brown 48</td>
<td>✓</td>
<td>56%</td>
<td>26°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>1.1</td>
<td>4.2</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Brown 10P857</td>
<td>CI Brown 33</td>
<td>✓</td>
<td>38%</td>
<td>25°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>1.5</td>
<td>4.9</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Brown 10P850</td>
<td>CI Yellow 164</td>
<td>✓</td>
<td>35%</td>
<td>26°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C 8</td>
<td>0.9</td>
<td>4.8</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Violet 11T</td>
<td>CI Violet 16</td>
<td>✓</td>
<td>15%</td>
<td>37°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>275°C 5</td>
<td>3.1</td>
<td>2.7</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Violet 92</td>
<td>CI Violet 14</td>
<td>✓</td>
<td>17%</td>
<td>36°C</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>600°C 6</td>
<td>2.9</td>
<td>3.8</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Massstone</td>
<td>4:1 Tint</td>
<td>Shepherd Product</td>
<td>Pigment Color Index</td>
<td>Total Solar Reflectance</td>
<td>Oil Absorption</td>
<td>FDA Approved</td>
<td>CONEG</td>
<td>Rolof/WESE</td>
<td>EN 71-3 (Cat. 1)</td>
<td>EN 71-3 (Cat. 111)</td>
<td>EN 8191</td>
<td>French Painting List</td>
<td>Heat Stability</td>
<td>Light Fastness (1-4)</td>
<td>Mean Particle Size (µm)</td>
<td>Specific Gravity</td>
<td></td>
</tr>
<tr>
<td>-----------</td>
<td>----------</td>
<td>------------------</td>
<td>--------------------</td>
<td>------------------------</td>
<td>-----------------</td>
<td>-------------</td>
<td>--------</td>
<td>-----------</td>
<td>----------------</td>
<td>----------------</td>
<td>----------</td>
<td>---------------------</td>
<td>---------------</td>
<td>---------------------</td>
<td>-----------------------</td>
<td>------------------</td>
<td></td>
</tr>
<tr>
<td>Black 1G</td>
<td>5%</td>
<td>CI Black 28</td>
<td>11</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>1.5</td>
<td>5.5</td>
<td></td>
</tr>
<tr>
<td>Black 430</td>
<td>6%</td>
<td>CI Black 28</td>
<td>11</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>0.9</td>
<td>5.4</td>
<td></td>
</tr>
<tr>
<td>Black 20C920</td>
<td>5%</td>
<td>CI Black 28</td>
<td>17</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>1.0</td>
<td>5.1</td>
<td></td>
</tr>
<tr>
<td>Black 444</td>
<td>5%</td>
<td>CI Black 26</td>
<td>24</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>0.9</td>
<td>5.1</td>
<td></td>
</tr>
<tr>
<td>Black 10C912</td>
<td>✓</td>
<td>CI Brown 29</td>
<td>25%</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>1.6</td>
<td>5.2</td>
<td></td>
</tr>
<tr>
<td>Black 10G996</td>
<td>✓</td>
<td>CI Brown 29</td>
<td>27%</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>1.2</td>
<td>5.4</td>
<td></td>
</tr>
<tr>
<td>Black 10P950</td>
<td>✓</td>
<td>CI Brown 29</td>
<td>29%</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>0.9</td>
<td>5.1</td>
<td></td>
</tr>
<tr>
<td>Blue 365</td>
<td>✓</td>
<td>CI Blue 28</td>
<td>30%</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>1.0</td>
<td>4.2</td>
<td></td>
</tr>
<tr>
<td>Blue 10C595</td>
<td>✓</td>
<td>CI Blue 28</td>
<td>30%</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>1.1</td>
<td>4.3</td>
<td></td>
</tr>
<tr>
<td>Blue 211</td>
<td>✓</td>
<td>CI Blue 36</td>
<td>29%</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>1.0</td>
<td>4.7</td>
<td></td>
</tr>
<tr>
<td>Blue 424</td>
<td>✓</td>
<td>CI Green 50</td>
<td>42%</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>2.0</td>
<td>3.7</td>
<td></td>
</tr>
<tr>
<td>Green 187B</td>
<td>✓</td>
<td>CI Blue 36</td>
<td>29%</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>1.6</td>
<td>4.8</td>
<td></td>
</tr>
<tr>
<td>Green 179</td>
<td>✓</td>
<td>CI Green 26</td>
<td>24%</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>2.5</td>
<td>5.2</td>
<td></td>
</tr>
<tr>
<td>Green 10C650</td>
<td>✓</td>
<td>CI Green 17</td>
<td>40%</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>1.8</td>
<td>5.1</td>
<td></td>
</tr>
<tr>
<td>Green 10G655</td>
<td>✓</td>
<td>CI Green 50</td>
<td>25%</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>1.3</td>
<td>5.4</td>
<td></td>
</tr>
<tr>
<td>Yellow 10C112</td>
<td>✓</td>
<td>CI Yellow 53</td>
<td>71%</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>1.4</td>
<td>4.6</td>
<td></td>
</tr>
<tr>
<td>Yellow 10C242</td>
<td>✓</td>
<td>CI Brown 24</td>
<td>66%</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>0.7</td>
<td>4.5</td>
<td></td>
</tr>
<tr>
<td>Yellow 10C229</td>
<td>✓</td>
<td>CI Brown 24</td>
<td>58%</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>1.0</td>
<td>4.7</td>
<td></td>
</tr>
<tr>
<td>Yellow 10C151</td>
<td>✓</td>
<td>CI Yellow 227</td>
<td>75%</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>0.9</td>
<td>5.5</td>
<td></td>
</tr>
<tr>
<td>Orange 10C341</td>
<td>✓</td>
<td>CI Yellow 216</td>
<td>65%</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>1.3</td>
<td>4.5</td>
<td></td>
</tr>
<tr>
<td>Brown 19FDA</td>
<td>✓</td>
<td>CI Black 12</td>
<td>45%</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>800°C</td>
<td>8</td>
<td>2.0</td>
<td>4.1</td>
<td></td>
</tr>
<tr>
<td>Violet 92</td>
<td>17%</td>
<td>CI Violet 14</td>
<td>15</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>600°C</td>
<td>6</td>
<td>2.9</td>
<td>3.8</td>
<td></td>
</tr>
</tbody>
</table>

All values represent typical values and are not to be construed as specifications. *Particle size is highly influenced by dispersion energy and is often lower than this value when fully processed into a coating.

Dynamix Stir-In Pigments are also available for coatings.
Get PURE!

DYNAMIX
www.dynamixpigments.com
SKIP STEPS. CREATE PROFIT.

ACHIEVE 100% PURE COLOR DISPERSONS WITH DYNAMIX®

Easy Dispersible Color Pigments

Learn more at dynamixpigments.com

www.shepherdcolor.com
DYNAMIX

Easy dispersible pigments that lead to faster product development and streamlined production.

Why Dynamix®?

- Speed up production by over 75%
- Reduce scrap rates by over 50%
- Improve materials yield by over 20%

Yellow 30C119
C.I. Pigment Yellow 53

Yellow 30C152
C.I. Pigment Yellow 227

Yellow 30C236
C.I. Pigment Brown 24

Orange 30C342
C.I. Pigment Yellow 216

Brown 30C888
C.I. Pigment Brown 33

Blue 30C588
C.I. Pigment Blue 28

Blue 30C591
C.I. Pigment Blue 28

Blue 30C527
C.I. Pigment Blue 36

Black 30C940*
C.I. Pigment Green 17
Infrared Reflective Pigment

Black 30C941
C.I. Pigment Brown 29
Infrared Reflective Pigment

Black 30C965**
C.I. Pigment Black 28

Black 30C933**
C.I. Pigment Black 26

*Not available in China. Available as Black 10C938 in China only.
**Brown product label indicates that the pigment is NOT Arctic.
**Why Dynamix®?**

- **Speed up production** by over 75%
- **Reduce scrap rates** by over 50%
- **Improve materials yield** by over 20%

---

*Not available in China. Available as Black 10C938 in China only.**

**Brown product label indicates that the pigment is NOT Arctic.**
SKIP STEPS. CREATE PROFIT.

ACHIEVE 100% PURE COLOR DISPERSIONS WITH DYNAMIX®

CUT OUT THESE STEPS

JUST STIR IT IN

AND GO STRAIGHT TO THE TANK

Learn more at dynamixpigments.com

www.shepherdcolor.com

Easy Dispersible Color Pigments

PURE CONVENIENCE CONSISTENCY PROFITABILITY