Ultra-High Performance Pigments bring Sustainability and Competitive Advantage
• Established 1916
• Color production 1930
• 4th Generation
Complex Inorganic Color Pigments
• Heat Stability
• Durability
  – UV resistance
  – chemicals
• Opacity
• Special Properties
  – functionality
  – regulatory (FDA, Reach, …)

45 years of weathering in South Florida
Ultra High-Performance
Easily-Dispersed Color
PURE CONVENIENCE
JUST STIR IT IN
CUT OUT THESE STEPS

JUST STIR IT IN

AND GO STRAIGHT TO THE TANK
LARGE OR SMALL BATCH SIZE
SAME COLOR, ANYWHERE
IMPROVE QUALITY AND CONSISTENCY

- Tight control of masstone and tint
- Consistency Total Solar Reflectance
- Improved coatings properties
- Same weatherability as standard grades
THINK OF IT LIKE THIS

THINGS AREN’T ALWAYS WHAT THEY SEEM…
THINK OF IT LIKE THIS

THINGS AREN’T ALWAYS WHAT THEY SEEM…
Shepherd’s micronizing technology reduces pigment particles to a uniform small size.

Original Particle Size
A modification is applied to the small particles.

Stabilized Dispersion
Stabilized particles are formed into a dry Stir-in pigment powder.
Dynamix pigments form complete dispersions using High-Speed Disperser only – no milling is required.
LOCKED IN COLOR

TINT STRENGTH

Strong

Std.

Weak

MASSTONE COLOR

Saturated

Standard

Washed Out
LOCKED IN COLOR

TINT STRENGTH

Strong

Std.

Weak

Saturated

Standard

Washed Out

MASSTONE COLOR

Re-work

Scrap
SOLAR HEAT BUILD-UP MGT

- Pigment selection/interactions
- Application variables
- Contamination issues
- Measurement
SOLAR HEAT BUILD-UP MGT

“Black Rainbow”
SOLAR HEAT BUILD-UP MGT

Green 10C650
Dark, Cool Greens

Dynamix Black
30C941
Masstone Jet Black

Black 10G996
Jet Black higher tint

Black 10P950
High Tint Strength,
Warm Tone

Dynamix Black
30C940
High tint strength

Black 411A
High Tint Strength,
Warm Tone

Black 10C912
Jet Black

Black 376A

Dynamix Brown
30C888
PURE PROFITABILITY
SKIP STEPS

ACHIEVE 100% PURE COLOR DISPERSIONS WITH DYNAMIX

CREATE PROFIT
DISPERSION PERFORMANCE

Will disperse faster than easily dispersed TiO\textsubscript{2}

Note: Dispersion carried out with high speed dispersion and no additives
PURE SPEED

1 minute
2 minutes
3 minutes
4 minutes
5 minutes
>50% REDUCTION IN CYCLE TIME
**TINT STRENGTH IMPROVEMENT**

<table>
<thead>
<tr>
<th>Color</th>
<th>Standard</th>
<th>Dynamix</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>100%</td>
<td>130-140%</td>
</tr>
<tr>
<td>Yellow</td>
<td>100%</td>
<td>120-130%</td>
</tr>
</tbody>
</table>

Significant increases compared to conventionally dispersed pigments to >7.5 Hegman (< 5 microns)
20% REDUCTION IN TOTAL COST
COST REDUCTIONS

- Raw Material Inventory
- Work In Progress
- Intermediate Inventory
- Saves CAPEX
PURE CONSISTENCY

Just Stir It In

Large or Small Batch Size

Skip Steps for 100% Pure Color

PURE CONVENIENCE

Superior Technology

Always Behaves the Same

Locked-in Color & TSR

PURE PROFITABILITY

Increase Yields

Spend Less

It’s All in the Box
WHAT IT MEANS FOR YOU...

Reduce waste in clean up and less disposal
Reduce scrap rates by over 50%
Reduced rework
Reduced transportation footprint

Energy savings
More efficient use of pigments
Improved durability by extended product & polymer lifetime and color retention up to 50%
Optimization of resources

Product And Environmental Stewardship
Questions?

www.DynamixPigments.com