

HOW CAN

Ultra-High Performance Pigments bring Sustainability and Competitive Advantage



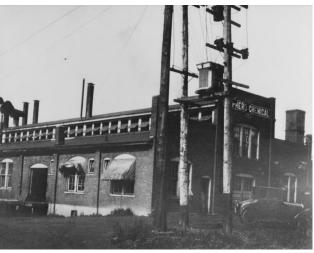




- Established 1916
- Color production 1930
- 4th Generation



BETTER PERFORMANCE



BEST VALUE





Complex

norganic

Color

Pigments

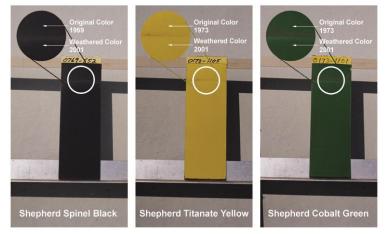






- Heat Stability
- Durability
 - UV resistance
 - chemicals
- Opacity
- Special Properties
 - -functionality
 - -regulatory (FDA, Reach, ...)







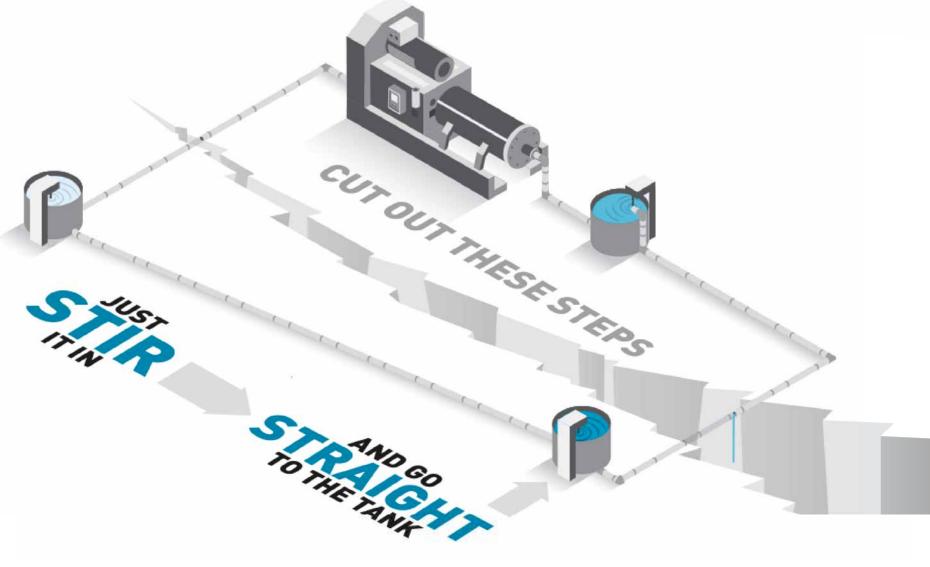
Ultra High-Performance Easily-Dispersed Color

















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



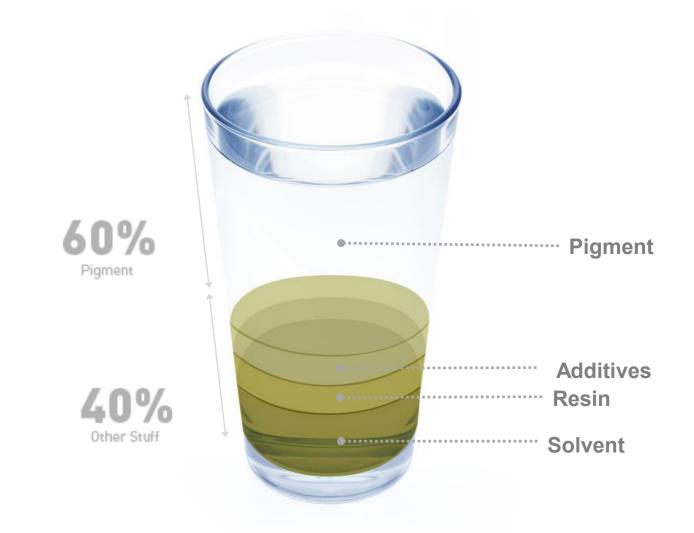
THINGS AREN'T ALWAYS WHAT THEY SEEM...



THINK OF IT LIKE THIS



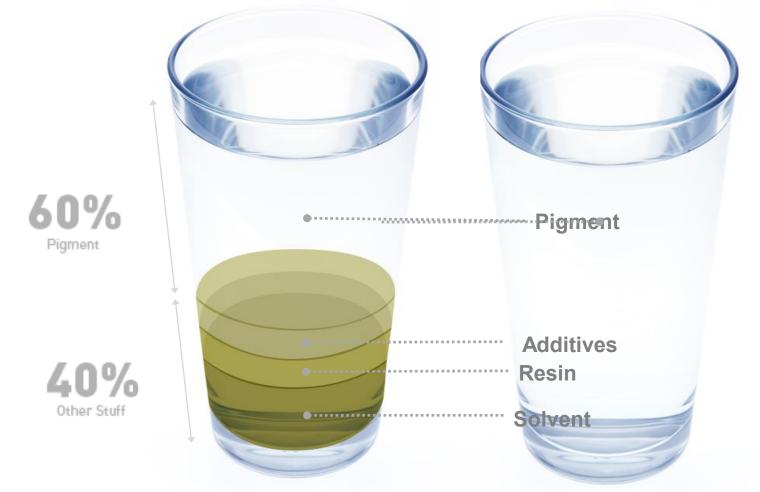
THINGS AREN'T ALWAYS WHAT THEY SEEM...





STANDARD COLORANTS





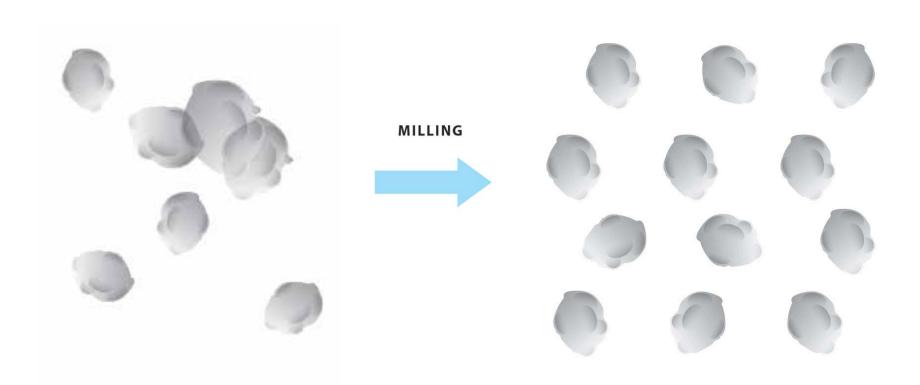
FULLY





Shepherd's micronizing technology reduces pigment particles to a uniform small size.



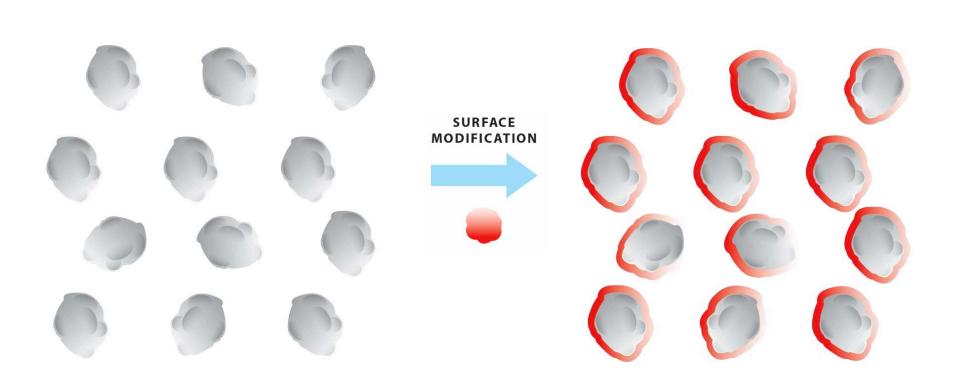


Original Particle Size



A modification is applied to the small particles.



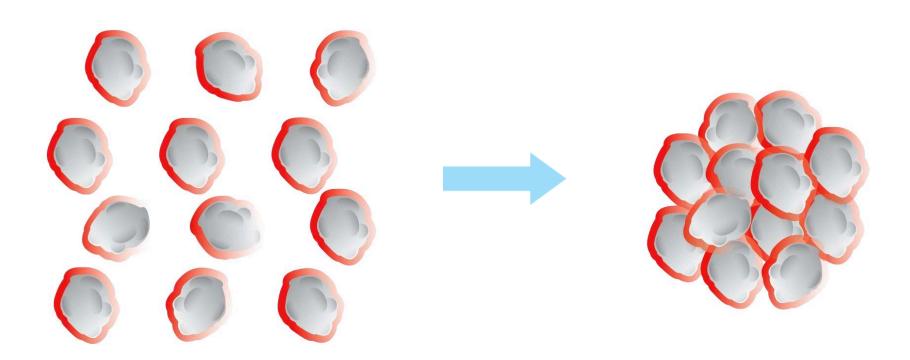


Stabilized Dispersion



Stabilized particles are formed into a dry Stir-in pigment powder.



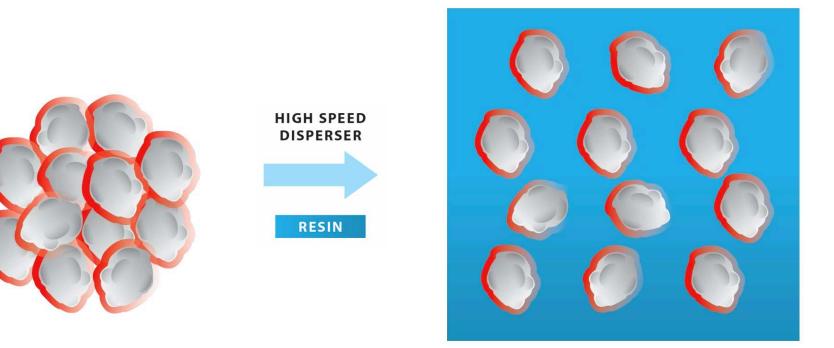


Dynamix Pigment



Dynamix pigments form complete dispersions using High-Speed Disperser only – no milling is required.





Dynamix Pigment

Stable Dispersion

LOCKED IN COLOR



Strong **TINT STRENGTH** Std. Weak Saturated Standard Washed Out

MASSTONE COLOR

LOCKED IN COLOR

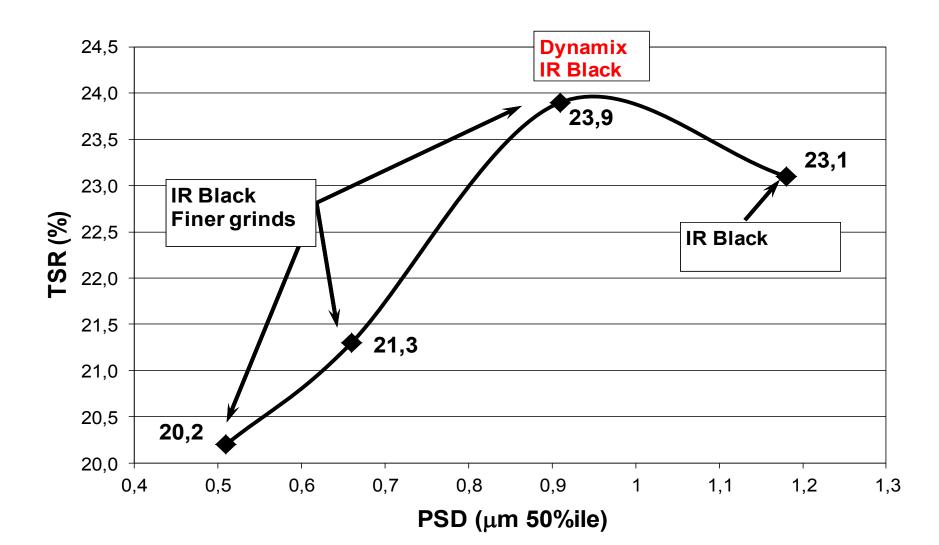


Strong **Re-work TINT STRENGTH** Std. **Re-work** Scrap Weak Saturated Standard Washed Out

MASSTONE COLOR

LOCKED IN TSR





SOLAR HEAT BUILD-UP MGT

- Pigment selection/interactions
- Application variables
- Contamination issues
- Measurement

SOLAR HEAT BUILD-UP MGT

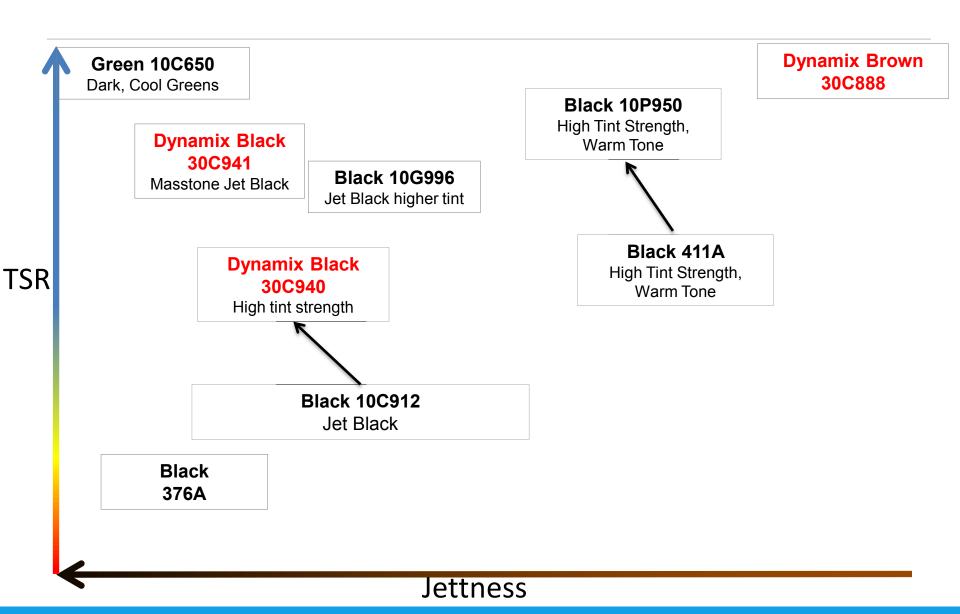
"Black Rainbow"

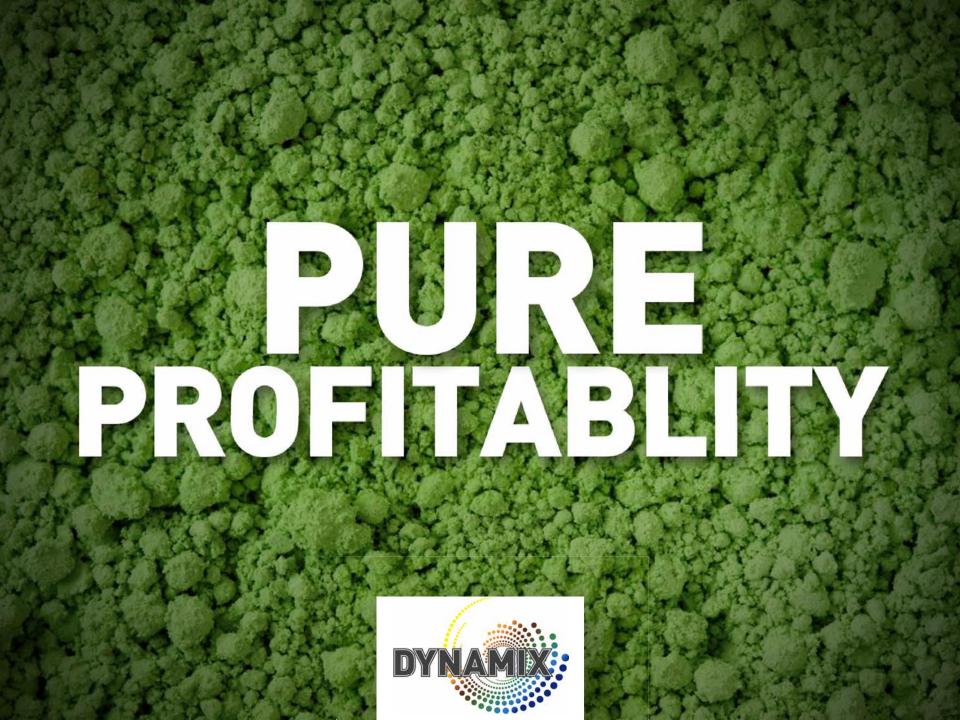




SOLAR HEAT BUILD-UP MGT



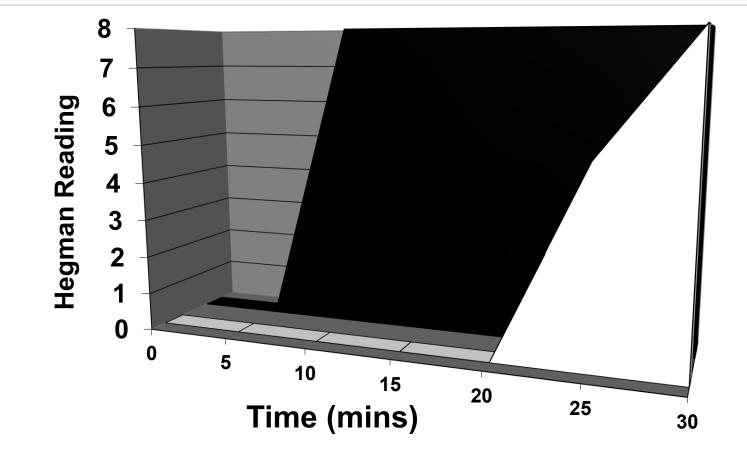






DISPERSION PERFORMANCE



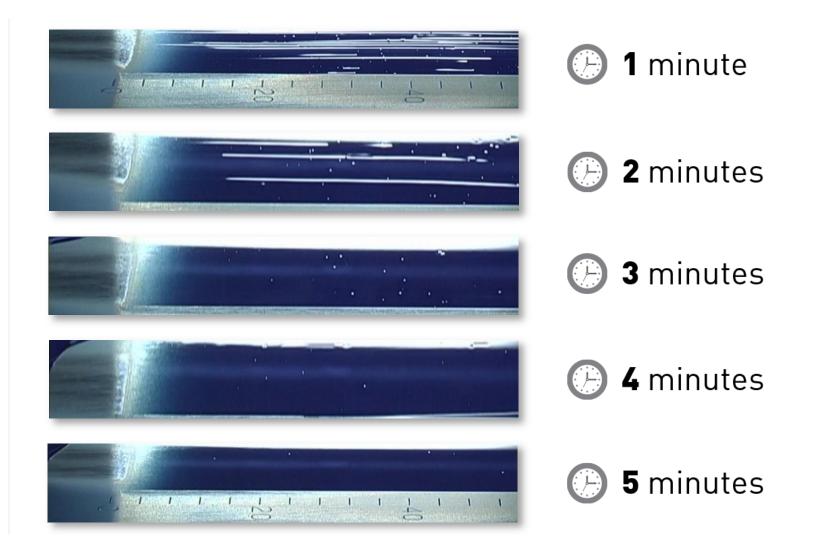


Will disperse faster than easily dispersed TiO₂

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

PURE SPEED

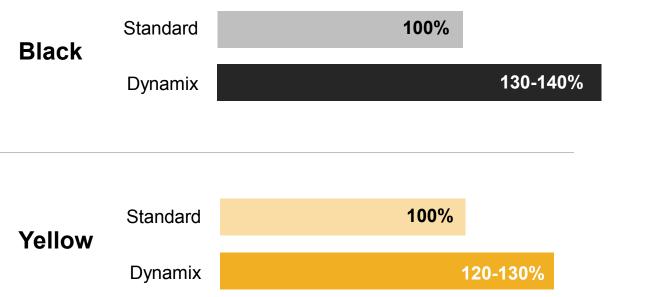




REDUCTION IN CYCLE TIME

port it







Significant increases compared to conventionally dispersed pigments to >7.5 Hegman (< 5 microns)

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

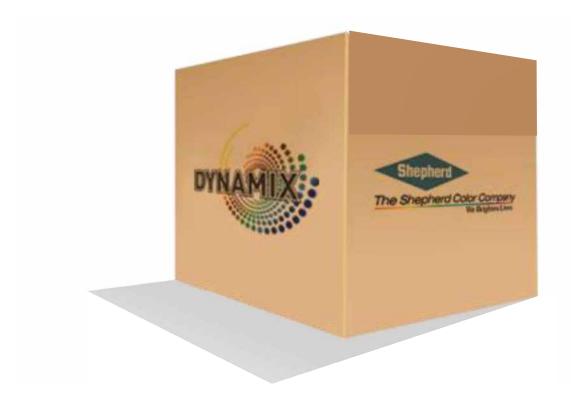


PURE PROFITABILITY

Increase Yields

Spend Less

It's All in the Box





COMPLETE COLOR PALETTE



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



MORE EXPERTISE



BETTER PERFORMANCE



BEST VALUE