



Ti-Pure™

R-902+ Titanium Dioxide

The Easy Choice

Ti-Pure™ R-902+ titanium dioxide is the easy choice

You asked for ease of dispersion and improved hiding power over a wide range of coatings systems. That's why Chemours has introduced an improved, multi-purpose titanium dioxide for the coatings industry called Ti-Pure™ R-902+. Delivering all the benefits you are looking for, Ti-Pure™ R-902+ is the easy choice for all your coatings needs.



Improved Hiding Power

- Better coating coverage
- Minimum TiO₂ use in coatings formulas

Ti-Pure™ R-902+ provides exceptional hiding power and tint strength in a wide variety of coating formulations. As shown in Figure 2, our extensive testing has shown that Ti-Pure™ R-902+ consistently outperforms multi-purpose grades from global competitors. The exceptional dispersion and unique particle size distribution of Ti-Pure™ R-902+ is the key to excellent optical performance. Using Ti-Pure™ R-902+ will provide excellent coating coverage and may allow coating producers to reduce your coating raw material costs by reducing the amount of TiO₂ in the paint.

Superior Dispersion

- Lower energy consumption
- Higher productivity from shorter dispersion times
- Improved product quality consistency from more consistent dispersion

Ti-Pure™ R-902+ also provides

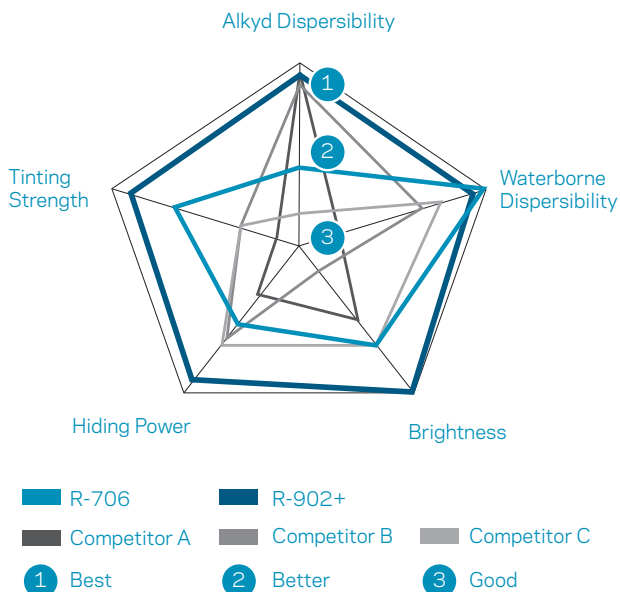
- Superior tinting strength
- Excellent whiteness and brightness

Figure 3 demonstrates the alkyd ease of dispersion



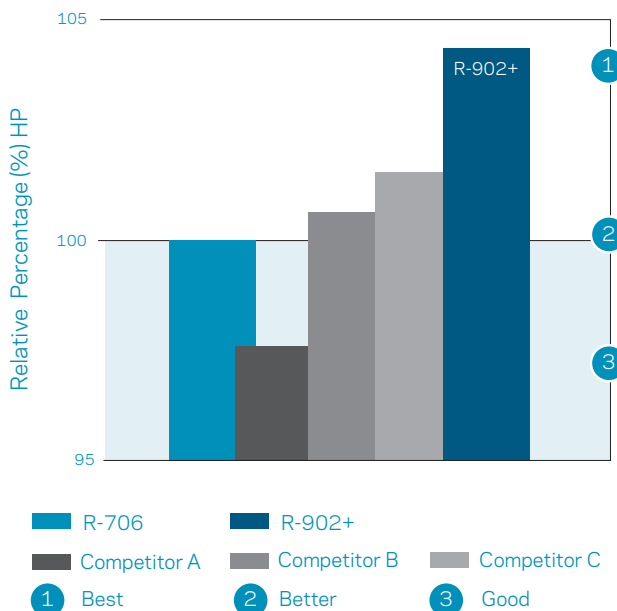
Ti-Pure™ R-902+ provides excellent coating coverage

Figure 1: Ti-Pure™ R-902+ Delivers Total Value*



*Performance attribute scales expanded to illustrate relative pigment differences

Figure 2: Ti-Pure™ R-902+ Provides Best Hiding Power—Average Relative Hiding Power*



*Eight different coatings

Figure 3: Ti-Pure™ R-902+ Disperses Easily in Solventborne Alkyds — Low Energy Dispersion in Long Oil Alkyd

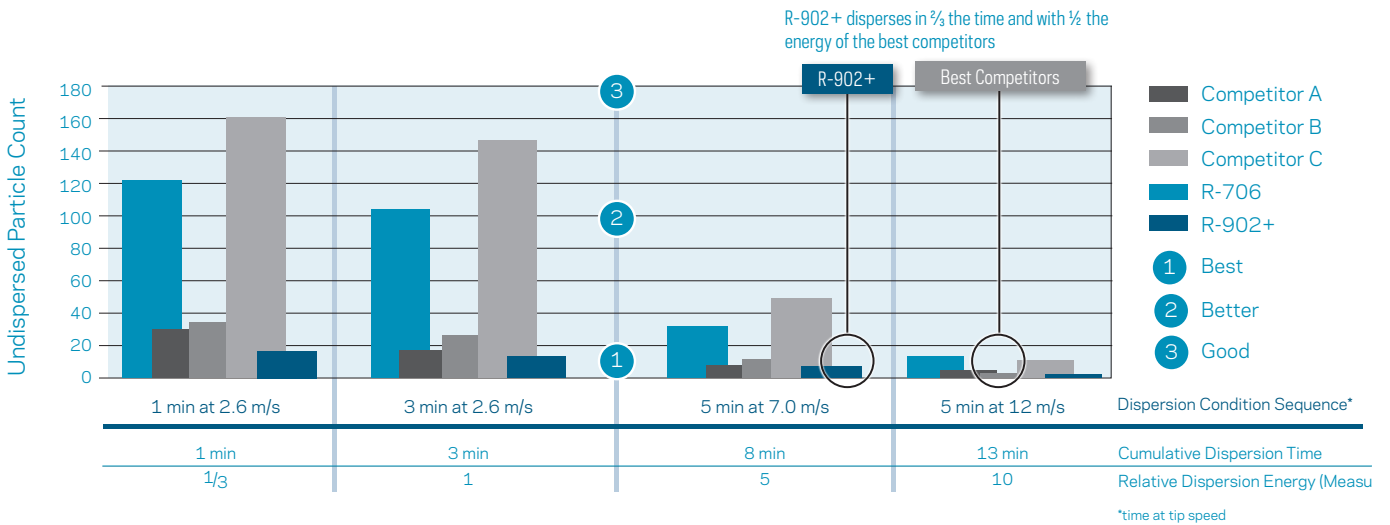


Figure 4: Ti-Pure™ R-902+ Allows Waterborne Dispersion Time and Energy Savings

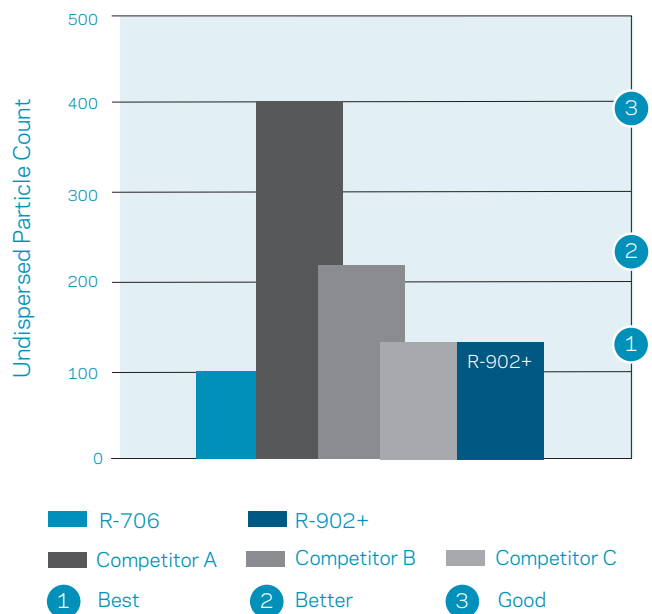


advantage of Ti-Pure™ R-902+ relative to competitive grades. It also highlights the opportunity for productivity improvements and energy savings from using Ti-Pure™ R-902+

As alkyd dispersion time and intensity are increased the dispersion condition is evaluated using a special hegman gauge. Dispersion condition is analyzed using the Chemours™ Dispersion Optical Counter (DOC) which takes a digital image of the drawdown and uses proprietary protocol to measure the number of undispersed particles.

The results show wide variation in how different TiO₂ grades disperse following the various grind conditions. While most pigments require the highest grind intensity (5 minutes at 12 m/s) to achieve a clean dispersion (<10 undispersed particles), Ti-Pure™ R-902+ achieves a clean dispersion with much less time and energy.

Figure 5: Ti-Pure™ R-902+ Disperses Easily in Water and Waterborne Emulsions — Dispersion in Aqueous Acrylic Emulsion



*Mix only five minutes at 1.3 m/s tip speed

Ti-Pure™ R-902+ — Request Your Sample Today!

Ti-Pure™ R-902+ titanium dioxide — the easy choice for your industrial and architectural applications. Available in 25 kg bags and 1 metric (1000 kg) tonne flexible intermediate bulk containers. If you need additional information or would like to request a sample, please visit our website or contact your local representative

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