



Ti-Pure™

One coat conquers all.
Enabled with Ti-Pure™ Select TS-6300

Product Overview



Chemours™





One coat conquers all.

Sometimes you need an edge to defeat old layers of paint.
That advantage is here:

Ti-Pure™ One Coat™ enabled with Ti-Pure™ Select TS-6300.

Ti-Pure™ One Coat™ is a systems solution designed to create the highest-hiding paint possible by combining innovative Ti-Pure™ products, insights, and expertise. Key to the Ti-Pure™ One Coat™ approach is Ti-Pure™ Select TS-6300 titanium dioxide made from the Chemours proprietary chloride-base process that consistently produces high-quality and high-performance pigments.

Our Ti-Pure™ expert will work with you to create the ideal formula, giving you the flexibility to achieve superior hiding and optimal TiO_2 efficiency in flat and low sheen coatings. So stop the sparring match with just one coat.

ACHIEVE UP TO
+20% BETTER
HIDING POWER*

Hiding power that outduels them all.

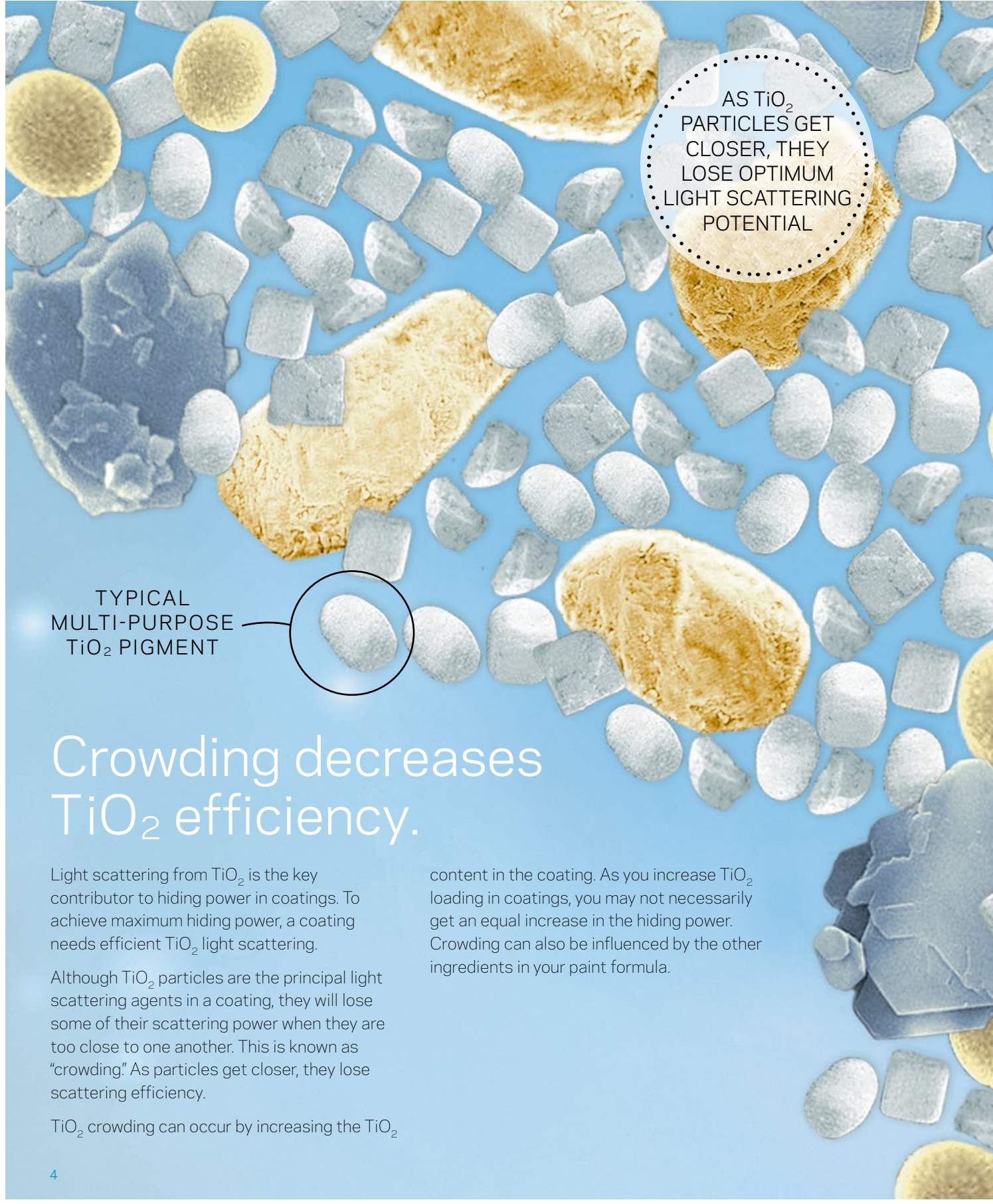
Hiding power is the ability of paint to obscure a background of contrasting color. Paints which do not contain good hiding power will allow an observer to be able to see color and images on the opposite side of a film.

Global market research showed that both paint consumers and contractors had a need for improved hiding and better coverage with fewer coats of paint.

So the Ti-Pure® R&D team faced that challenge head-on and worked with engineering and operations to produce TS-6300, which offers unbeatable coverage in just one coat.

With Ti-Pure® Select TS-6300, you can achieve up to +20% better hiding power*, providing you the opportunity to produce higher value paint.

*As measured by "Spread Rate": formulation dependent



AS TiO_2
PARTICLES GET
CLOSER, THEY
LOSE OPTIMUM
LIGHT SCATTERING
POTENTIAL

TYPICAL
MULTI-PURPOSE
 TiO_2 PIGMENT

Crowding decreases TiO_2 efficiency.

Light scattering from TiO_2 is the key contributor to hiding power in coatings. To achieve maximum hiding power, a coating needs efficient TiO_2 light scattering.

Although TiO_2 particles are the principal light scattering agents in a coating, they will lose some of their scattering power when they are too close to one another. This is known as "crowding." As particles get closer, they lose scattering efficiency.

TiO_2 crowding can occur by increasing the TiO_2

content in the coating. As you increase TiO_2 loading in coatings, you may not necessarily get an equal increase in the hiding power. Crowding can also be influenced by the other ingredients in your paint formula.



TI-PURE™ SELECT TS-6300

TS-6300 spacing technology improves efficiency.

The Ti-Pure™ R&D team developed an engineered inorganic surface treatment on TS-6300 to properly space the TiO_2 particles. The surface layer is effective because it physically prevents the TiO_2 particles from getting too close to one another.

The implementation of state-of-the-art

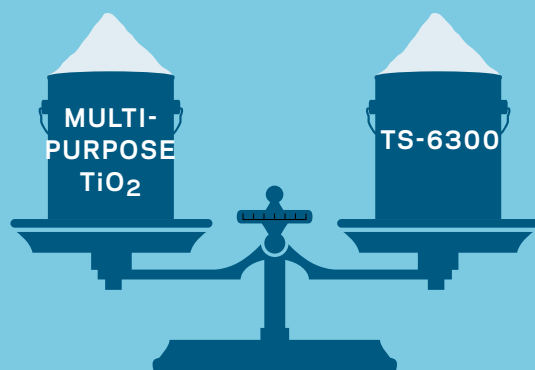
process control technologies enables a superior level of quality consistency. These process control technologies are focused on consistent deposition of the engineered surface treatment to secure consistent inter-particle spacing during TS-6300 production.

Experience improved hiding.

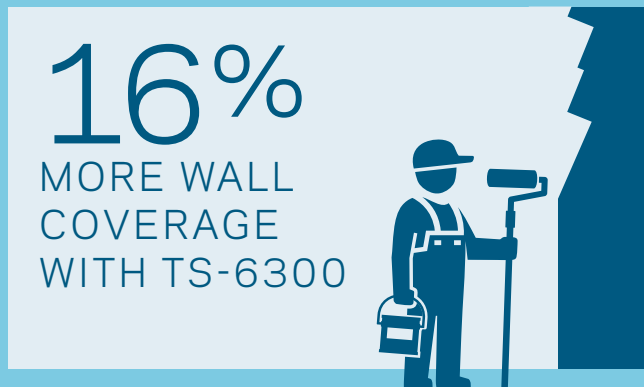
We went to battle with Ti-Pure™ Select TS-6300, and two case studies exemplify paint coverage improvements seen with our technology.

VINYL ACETATE, VEO/VA FLAT COATING STUDY

16% increase in hiding power



Typical multi-purpose TiO_2 was replaced with TS-6300 in equal weight amounts.



Higher L^* contributes to the formulation of brighter paints.

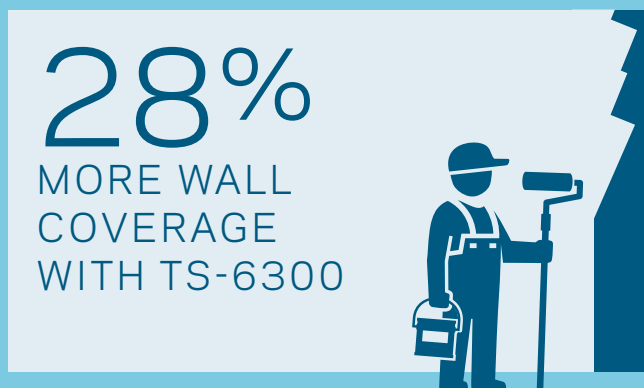
Compared to paint made with universal grade TiO_2 ; paint enabled with TS-6300 achieved 16% better wall coverage and maintained complete hiding with the same amount of paint.

STYRENE ACRYLIC FLAT COATING STUDY

28% increase in hiding power



Typical multi-purpose TiO_2 was replaced with TS-6300 in equal weight amounts.



Higher L^* contributes to the formulation of brighter paints.

Compared to paint made with universal grade TiO_2 ; paint enabled with TS-6300 achieved 28% better wall coverage and maintained complete hiding with the same amount of paint.

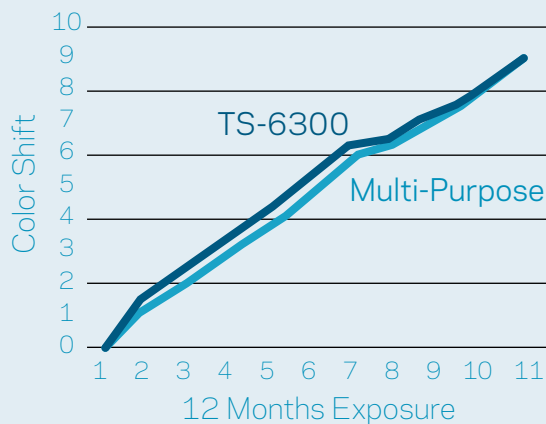
Weathering: en garde, Mother Nature.

Testing in acrylic exterior coatings demonstrates that TS-6300 weathering resistance and durability are suitable for exterior applications around the world.

The chart shows the color retention of tinted acrylic flat paints subjected to 12 months Florida exposure. The coating made with TS-6300 shows equal color change as compared to multi-purpose standard industry pigment.

Weathering tests showed that TS-6300 durability is comparable to that of multi-purpose grades and is an excellent choice when used in exterior flat paints.

Color change of tinted 100% acrylic exterior paint upon Florida exposure



The coating made with TS-6300 demonstrates performance for use in exterior applications.

The right choice for
flat exterior coatings.



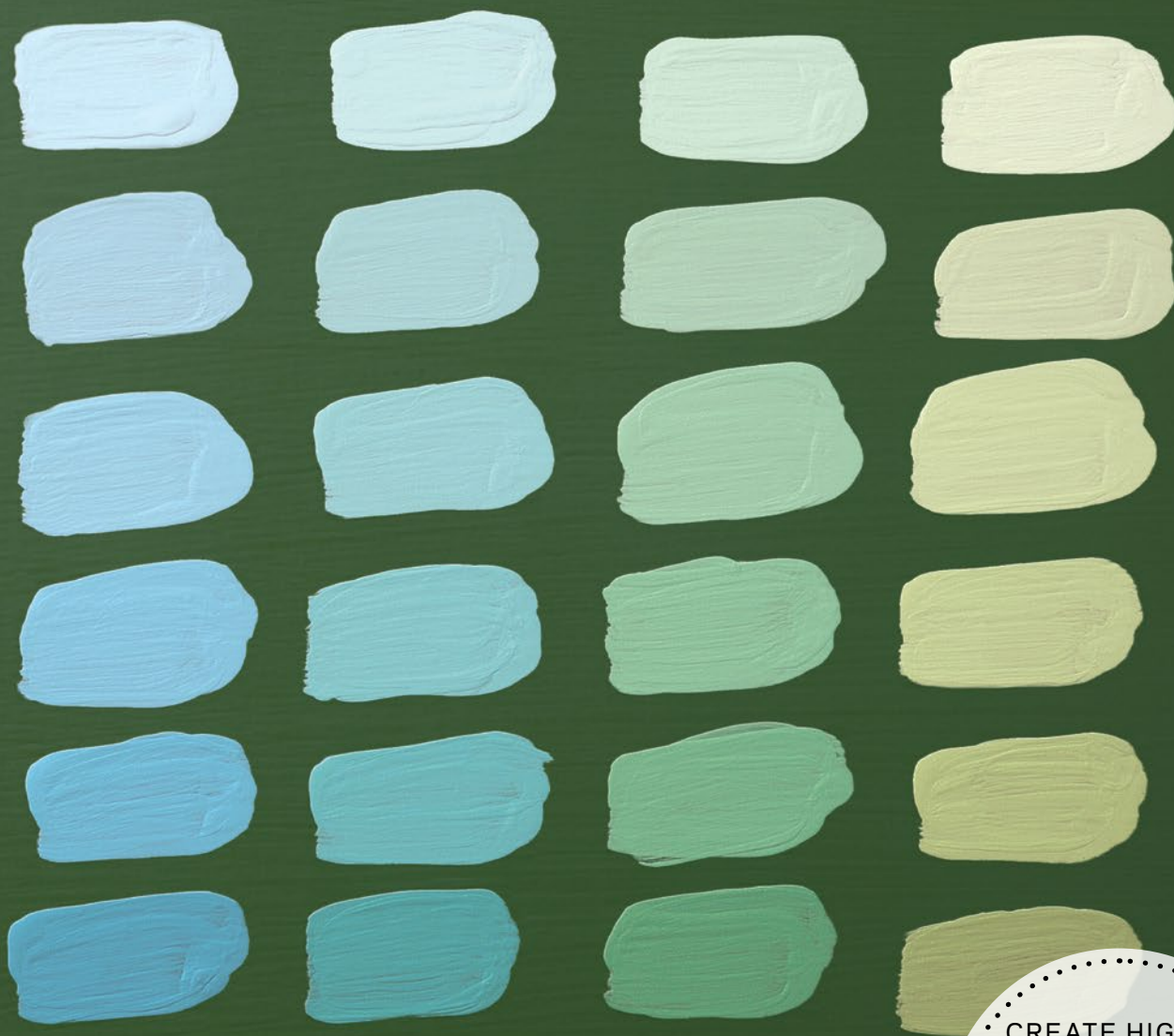


Featuring improved TS-6300 packaging design for speed and ease of handling.

TS-6300 is available in three packaging options: 25 kg small bags packed one metric tonne to a pallet and two sizes of Flexible Intermediate Bulk Containers (FIBC).

The 25-kilogram paper bags have a flat base design that allows for a tighter stacking profile on the pallet, minimizing the potential for bag damage while maximizing stability in your warehouse.

The FIBCs are a new design with nominally the same package hang length and the same discharge mechanism we have always used. The new design of the Flexible Intermediate Bulk Container ensures even filling, resulting in improved bag stability on the pallet.



Smaller environmental footprint and higher hiding performance: two advantages you can take to battle.

TS-6300 uniquely delivers higher hiding coatings with more coverage per liter for a smaller environmental footprint.

CREATE HIGHER
PERFORMING, MORE
SUSTAINABLE
PRODUCTS
WITH REDUCED
ENVIRONMENTAL
FOOTPRINT

The path to the paint can.

To contact our team of experts to discuss optimum use of Ti-Pure™ Select TS-6300 in your formulations, visit www.ts6300.com

The information set forth herein is furnished free of charge and based on technical data that Chemours believes to be reliable. It is intended for use by persons having technical skill, at their own risk. Because conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. Nothing herein is to be taken as license to operate under or a recommendation to infringe any patents.

For more information, visit titanium.chemours.com

For sales and technical support contacts, visit titanium.chemours.com/globalsupport

© 2015 The Chemours Company TT, LLC. Ti-Pure™ and any associated logos are trademarks or copyrights of The Chemours Company TT, LLC. Chemours™ and the Chemours Logo are trademarks of The Chemours Company.

Replaces: K-15859-1

C-10437 (7/15)