

# SYLOWHITE™ SM 405 Titanium Dioxide Extender

SYLOWHITE™ SM 405 is a precipitated amorphous sodium aluminium magnesium silicate with a very fine particle size and appearing as a white free flowing powder. Due to its performance benefits, it is widely used in different coatings applications.



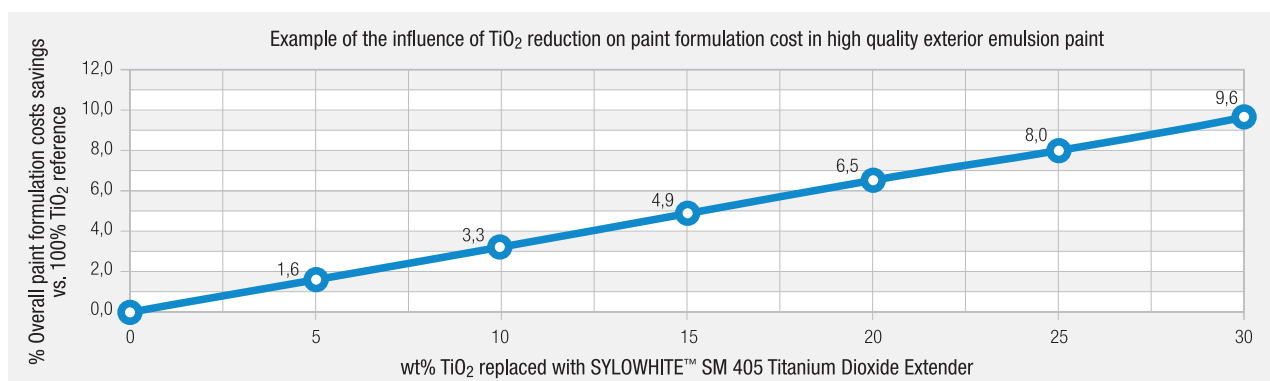
SYLOWHITE™ SM 405 Titanium Dioxide Extender has a high level of purity, which results in minimum effects on colour and enhances brightness properties. Its controlled particle size distribution and pore structure result in an extremely cost effective titanium dioxide extender. SYLOWHITE™ SM 405 Titanium Dioxide Extender causes a more homogeneous distribution of titanium dioxide particles and reduces the specific gravity of the paint:

Key Properties	Typical Applications
<ul style="list-style-type: none"> <li>■ Optimization of opacity when replacing the titanium dioxide</li> <li>■ Improved whiteness</li> <li>■ Reduced yellowness of the paint on aging</li> <li>■ Easy to disperse in the paint</li> <li>■ Excellent application properties</li> </ul>	<ul style="list-style-type: none"> <li>■ High quality waterborne (exterior and interior) trade and DIY paints</li> <li>■ High quality solvent borne trade and DIY paints</li> <li>■ Industrial Coatings</li> <li>■ Printing Inks</li> </ul>

## Advantages of SYLOWHITE™ SM 405 Titanium Dioxide Extender

### 1. Cost Savings

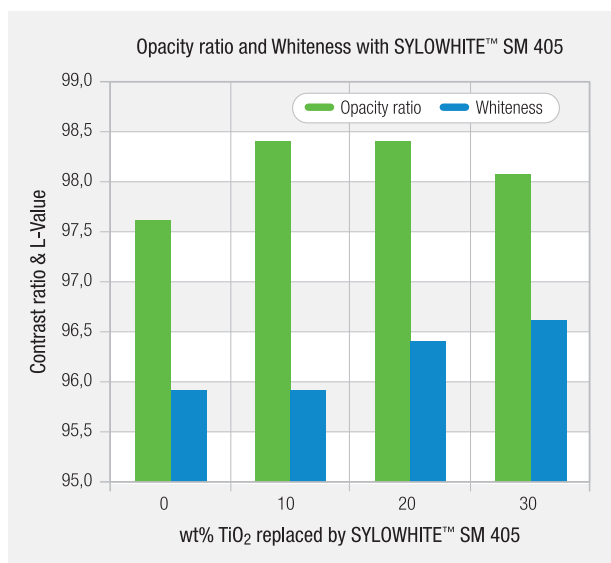
SYLOWHITE™ SM 405 Titanium Dioxide Extender **reduces the overall paint formulation cost of the pigmented coating significantly.** Portions of the titanium dioxide in a high quality exterior paint can be replaced by SYLOWHITE™ SM 405 Titanium Dioxide Extender.



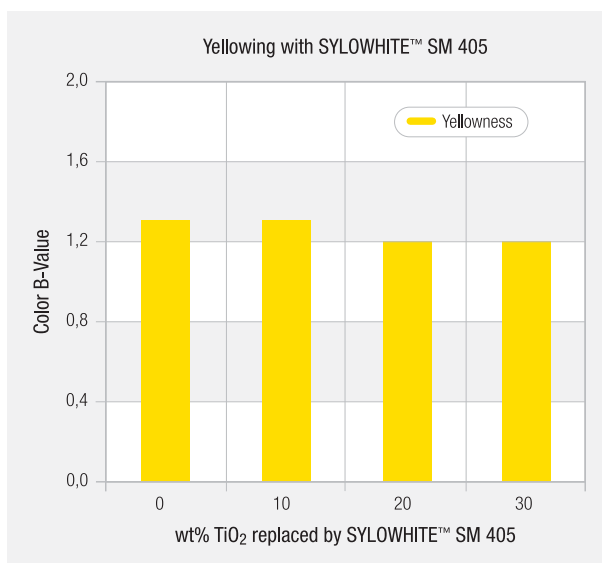
Typical SYLOWHITE™ SM 405 Titanium Dioxide Extender replacement levels in high quality exterior & interior paints are up to 20% in wt. of the titanium dioxide.

## 2. Technical Benefits

**SYLOWHITE™ SM 405** Titanium Dioxide Extender demonstrates technical benefits in addition to the cost savings obtained by titanium dioxide replacement. This can be demonstrated by the application test results achieved in paint formulations.



Hunterlab method – Paint Wft=250 µm



Hunterlab method – Paint Wft=250 µm

While the contrast ratio is increased, **SYLOWHITE™ SM 405** Titanium Dioxide Extender shows an enhanced whiteness and a reduced yellowing.

**Grace Davison has successfully pre-registered all REACH relevant substances. The next step is the ongoing preparation of the required registration dossiers and final registration of our substances. Grace Davison has already fully registered its synthetic amorphous silica. Now our customers can have confidence in REACH compliance and supply security beyond 2010.**

*Non-EU customers should contact us about their import needs.*

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**Grace is a premier specialty chemical and materials company with more than 6000 employees located around the world. Our products are used by millions of people each day. Among many other things, we ensure the integrity of some of the world's major buildings and bridges, enhance the performance of your petroleum products and preserve the safety of your food.**

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