

# Supreme™

Premium opacifying mineral for titanium dioxide extension

THE APPLICATION OF MINERAL SCIENCE



**Supreme™** opacifying extender from Imerys allows the reduction of up to 15% titanium dioxide in a decorative paint formulation.

Using specially selected feed from Cornwall, UK, **Supreme™** hydrous kaolin is engineered to an ultrafine average particle size of 0.4µm to give optimal spacing of titanium dioxide in a coating. The improved opacity that results allows the paint producer to reduce the total TiO<sub>2</sub> content of the formulation.

## **Supreme™**

- TITANIUM DIOXIDE EXTENSION
- OUTSTANDING OPACITY
- UNIQUE LOW SHEAR THICKENING EFFECT
- SMOOTH COATING FILM SURFACE
- SUITABLE FOR MOST DECORATIVE PAINTS
- ADDITIONAL BENEFITS IN PRINTING INKS

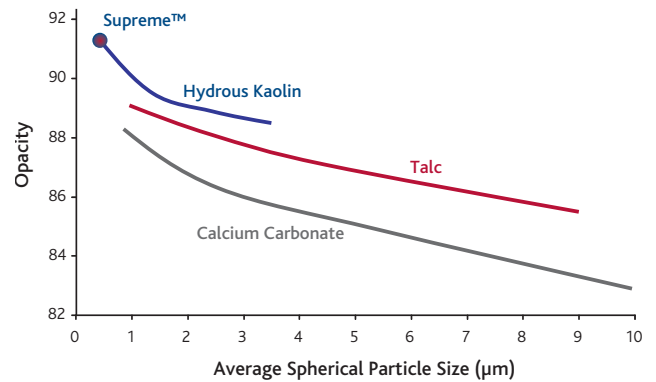
# Supreme™

is a natural china clay product with low carbon footprint

As well as its exceptional opacity, **Supreme™** brings unique rheological properties to a paint. The low shear thickening effect improves sag resistance and paint stability, thereby reducing the requirement for thickeners.

In matt paints, overlapping platelets of the mineral help to seal the surface for improved stain resistance.

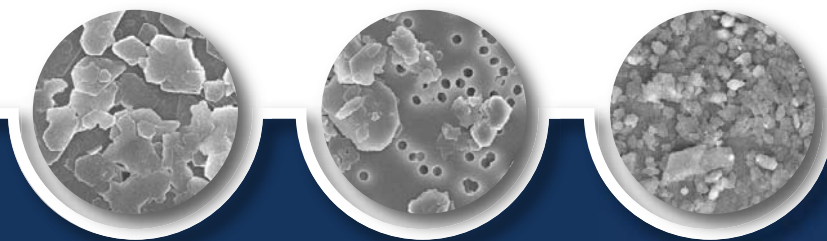
**Supreme™** is also used in printing inks where it is an effective extender, giving better holdout and less strikethrough. In lithographic inks **Supreme™** can act as a coupling agent between the fount solution and the substrate.



## PHYSICAL CHARACTERISTICS

Grade	Brightness (ISO)	Mean Particle Size (d <sub>50</sub> µm)	Refractive Index	Specific Gravity	Oil Absorption (g/100g)
Supreme™	87.5	0.4	1.56	2.6	46

All technical data is provided for information only. It does not constitute a specification. Specifications are available on request.



## FOR MORE INFORMATION

t: +44 (0)1726 818000 | f: +44 (0)1726 811200 | e: perfmins@imerys.com

[www.imerys-perfmins.com](http://www.imerys-perfmins.com)