

# SIPERNAT® 830

## Precipitated Sodium Alumino Silicate

### Characteristic physico-chemical data\*)

| Properties and test methods                     | Unit              | Value |
|---|-------------------|-------|
| BET Surface Area                                | m <sup>2</sup> /g | 80    |
| Median particle size                            | µm                | 6     |
| Specific Gravity                                | g/cm <sup>3</sup> | 2.0   |
| pH value<br>5 % in water<br>following ISO 787-9 | -                 | 10    |
| Linseed oil absorption                          | ml/100g           | 130   |

The given data are typical values. Specifications on request.

### Registrations

#### SIPERNAT® 830

|   |
|---|
| CAS-No.   |
| 1344-00-9   |
| <ul style="list-style-type: none"> <li>Consistent quality excellence achieved through effective process control, an ISO:9001 registered quality management system and implemented GMPs</li> </ul> |

SIPERNAT® 830 Sodium Alumino Silicate powder is used in paints and coatings applications as a titanium dioxide (TiO<sub>2</sub>) extender and gloss sheen control agent. SIPERNAT® 830 Sodium Alumino Silicate has the whitest and brightest properties of the Evonik SIPERNAT® family. SIPERNAT® 830 Sodium Alumino Silicate provides excellent opacity, whiteness, brightness, flattening and scrub resistance for interior architectural formulations. SIPERNAT® 830 Sodium Alumino Silicate pigment is used as an extender for titanium dioxide on both sides of CPVC. Below CPVC, the small particles of 0.1 to 0.5 microns work as spacer/extenders for titanium dioxide. Above CPVC, the structure based on the particle size building blocks functions as an effective light scattering material in the paint to increase opacity or to compensate for a reduced titanium dioxide content.

### Properties and applications

- Improved scrub resistance
- Superior performance in flattening
- Improved matting
- Reduced TiO<sub>2</sub> loading by up to 25%
- Equally effective in solvent born and water born systems
- Delivers cost savings
- Particle distribution is optimized for packing in the film
- Excellent touch up performance

### Safety and handling

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Operations, Product Safety Department, E-MAIL [sds-im@evonik.com](mailto:sds-im@evonik.com) We recommend to read carefully the safety data sheet prior to the use of our product.

## Packaging and storage

For details regarding our packaging options for this product, please contact your local sales representative.

Our silica products are inert and extremely stable chemically. However, due to their high specific surface area, they can absorb moisture and volatile organic compounds from the surrounding atmosphere. Therefore, we recommend storing the products in sealed containers in a dry, cool place, and removed from volatile organic substances. Even if a product is stored under these conditions, after a longer period it can still pick up ambient moisture over time, which could lead to its exceeding the specified moisture content. For this reason, our recommended use-by date is 24 months after date of manufacture. Product more than 24 months old should be tested for moisture content before use in order to make certain that it is still suitable for the intended application.

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