

DESCRIPTION

SIPERNAT® 835 is a precipitated synthetic sodium magnesium aluminosilicate that can be effective as a titanium dioxide extender for paints and coatings applications. It has proven particularly useful in high PVC formulations based on VAE or vinyl acrylic binders.

KEY BENEFITS

- maximum dry opacity
- maximum washability and scrub resistance
- very good gloss reduction

EFFECT**Dry Opacity****Washability and scrub resistance****Gloss reduction****SUITABILITY****direct grind****solventborne****waterborne**

● not suitable ● partly suitable ● suitable

TYPICAL APPLICATIONS

- High PVC architectural interior paints
- High hiding wall primers
- DIY paints applied using brush, spray, or roller
- Low-sheen premium quality wall paints
- Breathable facade and concrete coatings

TECHNICAL DATA

delivery form	free-flowing powder
DOA absorption	110 ml/100g
loss on drying	7 %
particle size, d₅₀	5 µm
pH value, 20% in water	6
specific gravity	2.0
specific surface area (BET)	80 m ² /g

RECOMMENDED ADDITION LEVEL

As supplied calculated on total formulation: 0.5 - 5 %

PROCESSING INSTRUCTIONS

- Addition to the coating as supplied, preferably at the grinding stage.
- Addition into grind preferably before adding TiO₂.

HANDLING & STORAGE

When stored in its original unopened packaging, the product has a shelf life of 24 months from the date of manufacture. Evonik precipitated silicate products are extremely chemically stable. However, precipitated silicates, including this product, can absorb moisture and/or volatile organic compounds from the surrounding atmosphere. Therefore, we recommend storage in original sealed packaging and in a dry, cool place and removed from volatile organic substances. Even if a product is stored under these conditions, over periods of time the material may still pick up enough moisture to exceed the moisture content that is specified "as packaged" or at the time of packaging.

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Evonik Operations GmbH | Goldschmidtstraße 100, 45127 Essen, Germany | Telefon +49 201 173-2222 Telefax +49 201 173-1939 | www.coating-additives.com