

Specialty filler

SIPERNAT® 820 A

DESCRIPTION

SIPERNAT® 820 A is a precipitated synthetic silicate with exceptionally bright clean color. SIPERNAT® 820 A has highly structured particles that provide film reinforcement, TiO₂ spacing, sheen uniformity, and excellent dry opacity.

KEY BENEFITS

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

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	155 ml/100g
loss on drying	7 %
particle size, d ₅₀	7 μm
pH value, 20% in water	10
sodium sulfate content	0.5 %
specific gravity	2.1
specific surface area (BET)	85 m ² /g

RECOMMENDED ADDITION LEVEL

As supplied calculated on total formulation: 0.5 - 5 %

PROCESSING INSTRUCTIONS

- It is recommended that this product be added, as supplied, to the grind.
- 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.

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