**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, TiO\(_2\) spacing, sheen uniformity, and excellent dry opacity.

**KEY BENEFITS**
- maximum dry opacity
- excellent TiO\(_2\) spacing capabilities
- maximum brightness
- excellent touch-up control
- outstanding sheen control

**EFFECT**
- Dry Opacity
- TiO\(_2\) Spacing Performance
- Brightness
- Touch-Up Control
- Sheen Control

**SUITABILITY**
- direct grind
- solventborne

**TYPICAL APPLICATIONS**
- High PVC architectural interior paints
- High hiding wall primers
- DIY paints for brush, spray, and roller
- Low-sheen premium quality wall paints
- Breathable facade and concrete coatings

**TECHNICAL DATA**
- delivery form: free-flowing powder
- DOA absorption: 140 ml/100g
- loss on drying: 6%
- particle size, \(d_{50}\): 7 µm
- pH value, 20% in water: 10.1
- sodium sulfate content: 0.5%
- specific gravity: 2.1 g/cm\(^3\)
- specific surface area (N\(_2\)): 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 TiO\(_2\).

**HANDLING & STORAGE**
24 months when stored in original unopened package in clean, dry conditions. Evonik precipitated silicate products are extremely stable, chemically. 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 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.

**MSDS & REGULATORY INFORMATION**