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## Mattex® Calcined Aluminum Silicate

### Product Description

Mattex is a fine particle-size kaolin grade featuring high brightness. It has been dehydroxylated by controlled heat treatment to remove crystalline-bound hydroxyl groups and to improve brightness. Mattex is highly pulverized for better dispersion. It is a structured calcined material which allows for optimization of low sheen and high opacity.

### Application Information

Mattex kaolin is recommended for use in both interior and exterior architectural coatings where low sheen is required. Mattex provides excellent touch-up properties along with high scrub resistance. It requires little to no flattening agents to achieve low sheen in flat paints. Typical applications include water-borne or solvent-borne, interior/ exterior flat paints.

Physical Properties	Typical Value
Physical Form	Highly Pulverized Powder
Special Modifications	Dehydroxylated
GE Brightness (%)	90
Screen Residue, 325 Mesh (%)	0.01
Free Moisture (%) measured at 105°C	0.5
pH (20% solids)	6
Median Particle Size, Sedigraph (µm)	1.3
Specific Gravity	2.63
Bulk Density, Loose lb/ft³ (kg/m³)	20 / 320
Bulk Density, Tamped lb/ft³ (kg/m³)	30 / 480
Oil Absorption, Rubout (ASTM D-281)	65
Hegman	5
Refractive Index	1.62
Bulking Value, lb/gal (kg/liter)	21.9 / 2.62

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