GARAMITE 1958

Rheological Additives for Solvent-borne Systems

Product Data

Special Features and Benefits
GARAMITE 1958 is a unique rheological additive developed for a wide range of solvent born systems. Compared to fumed silica and organoclays, GARAMITE 1958 provides improved sag (drainage) resistance, control of settling, metallic orientation, and stability. It is also more efficient and easier to handle in manufacturing (less dusty, higher bulk density and not sensitive to shear). Due to its patented mixed mineral thixotrope technology, GARAMITE 1958 provides these properties at lower viscosities than are seen with conventional thixotropes.

Benefits

· Dispersion Ease
· Viscosity Stability
· Shear Stable
· Syneresis Prevention
· Gel Time Stability
· Settling Prevention
· Drainage/Sag Prevention
· Increased Efficiency

Typical Properties
The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Color:	Off White
Form:	Fine Powder
Moisture Content:	<6 %
Bulk Density:	ca. 130 g/l
Specific Gravity:	1.5-1.7 kg/l

Recommended Levels
Because the recovery properties obtained with GARAMITE 1958 are unique, it is recommended application properties such as sag resistance or spray trials be used instead of viscosity to evaluate the efficiency of GARAMITE 1958. GARAMITE 1958 use levels are system dependent. A loading ladder from equal loading to 20-40 % less than your current thixotrope should be evaluated. air release agents such as BYK-A 555 and rheological enhancers such as BYK-R605 (typically added at 5-10 % based on the weight of GARAMITE 1958), di-glycol amine, or water are beneficial in many systems and should be included in the overall optimization evaluation.

Typical usage levels of GARAMITE 1958 range from approximately 0.3 % up to 1.5 % of the total system weight.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

Incorporation procedures will vary based on the system being evaluated.

For coatings systems, the recommended incorporation procedure is to make a predispersion of GARAMITE 1958. The predispersion should be 10 to 15 % in solvent, solvent/resin, or resin (in order of preference). The predispersion may be manufactured on a Cowles type disperser. The predispersion of GARAMITE 1958 may be used as part of the grind paste in the pigment dispersion process.

Alternatively, the predispersion may be used as a post add to adjust production batches.

Storage and Transportation

Two years if stored dry in unopened, original packing at temperatures between 0 °C and 30 °C.

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