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Claytone TP®

Rheological Additive

General Description:

Claytone TP is a modified montmorillonite designed for use in aliphatic systems containing aromatic solvent or aromatic-aliphatic solvent blends that display low to medium polarity. Claytone TP demonstrates high gelling efficiency, reproducible viscosity and thixotropic development, a high degree of sag control and prevents hard settling of pigments and fillers. Claytone TP has proven to be a reliable and reproducible rheological additive for use in oil based traffic paints.

Typical Properties:

Color: Very Light Cream
Form: Finely Divided Powder
Specific Gravity: 1.7
Weight/Gallon: 14.2 lbs/ US gallon
Bulk Density, lbs/ft³: 37
Dry Sieve Size (%-200 M): 98%
Moisture Content: 2.0%
C Weight Loss @ 1000: 38.5%

The above typical values are not intended as product specifications.

Applications:

Oil based traffic paint

Incorporation:

Claytone TP does not require heat for dispersion and should be incorporated during the grind phase. Optimum gelling efficiency is usually obtained with high shear equipment. The gelling efficiency of Claytone TP in a given system can be increased by the addition of a polar activator such as propylene carbonate, methanol/water (95/5), ethanol/water (95/5), or acetone. The optimum amount of polar activator may vary from 20% to 60% by weight of Claytone TP depending on the system. Use levels of Claytone TP are generally 0.2-1.0% by weight of the system.

For additional information or technical assistance contact Southern Clay Products, Inc. toll free at 800-324-2891.

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