LORAMA™
GROUP INTERNATIONAL

TECHNICAL DATA SHEET

Whitepark House. White Park Road, Ground Floor. St. Michael BB 11135, Barbados. Barbados Phone: 246-435-3832. U.S.A. Office Phone: 305-442-8525

RheoFal 102

Organoclay Additive ***for medium to high polarity solvent based coating systems***

DESCRIPTION

RheoFal 102 is an easy dispersing organically modified bentonite clay. It is especially suited for medium to high polarity solvent based paints and coatings. It provides excellent viscosity build, sag control and anti-settling properties in these coating systems.

PRODUCT FEATURES

Easy dispersing
Requires no polar activator
Does not require a pregel
Excellent sag control in high film build coatings
Excellent long-term anti-settling resistance
Cost effective

TYPICAL PROPERTIES

Chemical Composition	Quaternary ammonium bentonite compound
Appearance	Cream coloured, powder
Density	1.60 g/cm³

APPLICATION & USE

RheoFal 102 works best in coating systems with polar solvents such as alcohols, acetates, ketones, esters and glycol ethers; and in combinations of polar and aromatic solvents. Recommended coating systems include:

- Industrial Coatings
- Epoxy primers & top coats
- Acrylic primers & top coats
- Polyester putties
- Polyurethane systems
- Printing Inks - gravure
- Automotive coatings
- Acid curing systems
- Adhesives & Sealants
- Vinyl paints
- Nitrocellulose Lacquers
- Foundry paints

Typical usage levels range from 0.2 to 1.0% of total formula weight and will depend on the application parameters required i.e. viscosity increase, degree of sag and pigment settling control.

RheoFal 102 is an easy to disperse replacement for polar activated and self activated organoclays used in medium to high polarity organic coating systems. It can be incorporated as a direct weight or one-for-one replacement for organoclays and fumed silica with additional adjustments to the loading levels as needed for optimization.

RheoFal 102 does not require chemical activation in the recommended resin-solvent systems. Add RheoFal 102 as a dry powder to the grind stage prior to the addition of pigments. Mix for 5 minutes to facilitate wetting and then disperse under normal high shear conditions with the pigments for at least 20 minutes to achieve optimal dispersion and activation. Note that dispersion and activation of RheoFal 102 will become increasingly difficult as the ratio of aromatic and low polarity solvents in the system are increased.

RheoFal 102 achieves maximum efficiency only when added to complete resin systems and will not produce a very viscous gel in solvent alone. For this reason, the preparation of a pregel such as usually done with conventional organoclays is not necessary. However, a pre-gel can be made if desired and incorporated into the pigment grind stage to achieve full efficiency within the coating system.

Due to the high shear dispersion required for activation of RheoFal 102, addition to the letdown stage for post-correction should be tested for each system to determine whether complete dispersion and activation can be achieved.

For safety information, handling and storage instructions, consult the safety data sheet.