

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

PRODUCT **RheoFal 301**

DESCRIPTION **Rheological Additive**

RheoFal 301 is a readily dispersible bentonite clay for water based systems. It is a finely processed powder that provides rheology in these systems.

PRODUCT FEATURES

- Provides thixotropy
- Eliminates hard settling of pigments/extenders
- Reduces syneresis
- Provides viscosity control
- Improves shelf/storage stability

TYPICAL PROPERTIES

Appearance	fine powder
Colour	off white
Density	2.5 g/l
pH (2% in water)	8.5 - 10.5

APPLICATION

RheoFal 301 is recommended for use in the following:

- Water Based Pigment Dispersions & Slurries
- Textured Finishes
- EFIS
- Other Water Based Paint Systems
- Adhesives
- Ceramic compounds & glazes
- Foundry Coatings
- Polishes & Cleaners

INCORPORATION & USE

RheoFal 301 can be added as a powder and dispersed along with the pigments in the system. The RheoFal 301 should be added first to water only (pH of 7.0 - 8.0) and dispersed for 10 minutes at the highest speed possible. Next, additives such as surfactants, dispersant, defoamer and biocide can be added; followed by pigments and extenders. Alternately an aqueous pregel of 3 - 4% solids by weight can be made and then incorporated into the pigment grind. After dispersion the system can then be diluted and the pH adjusted as required. The recommended pH range for systems using RheoFal 301 is 6 -10.

Typical use levels are 0.1 to 1.0 % RheoFal 301 of total formula weight.

DISCLAIMER

The information given and the recommendations made herein are based on our research and are believed to be accurate but no guarantee of their accuracy is made. In every case, we urge and recommend purchasers, before using any product in full-scale production, to make their own tests to determine to their own satisfaction whether the product is of acceptable quality and is suitable for their particular purposes under their own operating conditions. The products discussed herein are sold without any warranty as to merchantability or fitness for a particular purpose or any other warranty, expressed or implied. No representative of ours has any authority to waive or change the foregoing. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.