

BENGEL® 828

A Super Dispersible Rheological Additive for Medium to High Polarity Solvent Based Systems

GENERAL INFORMATION

Super dispersibility of **BENGEL 828** rheological additive greatly simplifies the formulation and manufacture of paint systems contain moderate to high polarity solvents such as ketones, esters, glycol ethers, ether esters, alcohol. Using **BENGEL 828** offers paint manufacturers opportunities to increase productivity

CHEMICAL & PHYSICAL PROPERTIES

Composition	organic derivative of a bentonite clay
Color	milky white to slight grey
Form	fine powder
Moisture	3.0 % maximum
Bulk Density	0.35 g / cm ³

These are typical properties not to be used for specification purposes.

APPLICATIONS

BENGEL 828 is designed for moderate to high polarity paint systems. It performs well in paint systems of polyesters and epoxy as binder, combination of solvents like PM acetate, n-butanol, MEK, xylene and Solvesso type solvent. Paints systems like polyester baking enamel, 2K epoxy marine, heavy duty industrial are highly recommended applications.

BENGEL 828 demonstrates excellent sag resistance and anti settling performance. For systems with high demand of anti settling, such as zinc rich primer, **BENGEL 828** works synergistically with M-P-A anti settling additives.

KEY PROPERTIES

Advantages of **BENGEL 828**

- Easy to incorporate, even at less than optimum dispersion conditions
- Greater manufacturing flexibility and efficiency
- No need to pregel
- Eliminates need of polar activator
- Provides good sag control and pigment suspension
- Consistent batch to batch development of efficient rheology
- Cost effective

INCORPORATION

BENGEL 828 is a super dispersible grade that increases flexibility in paint manufacturing. In view of its ease of dispersibility, it is largely recommended to be added in-situ. It is also possible to add at any point of manufacturing. It performs well under less than optimum dispersion condition. A polar activator is not required.

There is generally no need to pregel **BENGEL 828**. However, if desired, may be due to equipment constrain, it can be used with the pregel technique. Under less than optimum conditions of incorporation, it greatly improves paint performance as compared to conventional organoclay.

General paint making equipment should provide sufficient shear to effectively incorporate **BENGEL 828**.

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LEVELS OF USE

Use levels are typically 0.2 to 2.0 % by weight of the system. The optimum level to be used is very much dependent on the designed performance of the systems in sag resistance, degree of thickening. A combination with M-P-A should be able to meet a broad range of rheology performance.

Effective incorporation technique and equipment will also play a role to determine the optimum use level.

Optimisation is always encouraged to gain maximum cost effectiveness.

HANDLING AND SAFETY

More detailed information on handling and safety for each product is included in the relevant material safety data sheet, available for each product.

Before using this product please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

STORAGE RECOMMENDATIONS

Store in a cool, dry location

SHELF LIFE

BENGEL 828 rheological additive has a shelf life of 4 (four) years from date of manufacture

QUALITY ASSURANCE

Since 1992 the company is a holder of ISO 9001/ ISO 9002 certificates, which guarantees that all operations are conducted according to stipulated standards.

NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.

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