

BENGEL® 988

Rheological Additive for Low to High Polarity Organic Media Easy to Incorporate

GENERAL INFORMATION

BENGEL 988 rheological additive is an organic derivative of a bentonite clay. It is designed for use in low to high polarity system of containing aliphatic solvents, aromatic solvents, ketones, esters, glycol ethers and alcohols.

BENGEL 988 is easy to incorporate and can be added dry to the pigment grinding process without chemical activator or the preparation of a pregel.

CHEMICAL & PHYSICAL PROPERTIES

Composition	organic derivative of a bentonite clay
Appearance	cream white, finely divided powder
Moisture	≤ 3 %
Granularity	≥ 95 (through 325 mesh)

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

APPLICATIONS

- Protective / Anticorrosive coatings
- Automotive finishes / primers
- 2K epoxy coatings
- Inorganic zinc-rich coatings
- PU two-pack systems
- Vinyl paints (high-build)
- Alkyd coatings / Thermoplastic acrylic coatings
- Wood coatings
- Coil coatings
- Industrial baking paints
- Offset / Gravure printing inks
- UV inks

KEY PROPERTIES

- Superior dispersibility and easy to incorporate
- Provide good mid shear viscosity
- Excellent flow and application
- Good sag control and pigment suspension properties
- Eliminates the need for polar or chemical activator
- Little impact on transparent and gloss
- Suitable for wide application, from low to high polarity system
- Great flexibility in manufacturing process
- Consistent batch to batch development of rheological properties

INCORPORATION

BENGEL 988 has easily dispersed properties for mid / low to high polarity solvent coating systems. It is added at any point of manufacturing without requiring the use of a chemical activator. It can be used for post-correction at letdown stage. It is not sensitive to high pigment grind temperatures and no minimum temperature is required.

BENGEL 988 may be used for post-correction after letdown. Pre-tests are recommended to determine whether **BENGEL 988** will sufficiently shear rate under normal stirring conditions. If desired, it can be also used with the pre-gel technique.

BENGEL 988 can be also combined with other rheological additives, such as M-P-A 2000-X, M-P-A 60-X, DeuRheo 201P and etc. to improve anti-setting properties.

BENGEL[®] 988

LEVELS OF USE

0.2 - 2.0 % based on total formulation by weight.
It is recommended to ascertain the actual optimum concentration of **BENGEL 988** by means of ladder trials.

BENGEL 988 is not suitable for clear coatings.

HANDLING AND SAFETY

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

Keep away from sources of ignition and heat, as well as container tightly closed in a dry and well-ventilated place.

Store in room temperature to avoid the moisture.

SHELF LIFE

BENGEL 988 has a shelf life of 4 years from date of manufacture.

QUALITY ASSURANCE

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

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