

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.

PHYSICAL PROPERTIES

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

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.

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

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

- The product requires special care in handling.
- Avoid any eye and skin contact.
- For further information please check MSDS.

STORAGE RECOMMENDATIONS

- Keep away from sources of ignition and heat.
- Keep container tightly closed in a dry and well-ventilated place.
- Store in room temperature to avoid the moisture.

PACKAGING

BENGEL® 988 is available in paper bags.

SHELF LIFE

BENGEL® 988 has a shelf life of 48 months 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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