

BENTONE® 54

Rheological Additive for Low to Intermediate Polarity Organic Systems

GENERAL INFORMATION

BENTONE 54 is an organic derivative of a bentonite clay. This rheological additive is designed for low to intermediate polarity organic systems.

CHEMICAL & PHYSICAL PROPERTIES

Composition	organic derivative of a bentonite clay
Color / Form	light cream, finely divided powder
Moisture	max. 3 %

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

APPLICATIONS

- Adhesives
- Anti-corrosive paints
- High-build systems
- Industrial finishes
- Interior and exterior house paints including do-it-yourself paints
- Primers, undercoats, fillers
- Printing inks
- Road marking paints
- Underbody sealants and sound-absorbing compounds
- Wood preservatives and finishing systems

KEY PROPERTIES

- Increases viscosity
- Provides thixotropy
- Prevents pigment settling during storage
- Improves flow and leveling
- Controls sagging on vertical surfaces and penetration on porous substrates
- Prevents syneresis in thixotropic systems

INCORPORATION

BENTONE 54 is an organoclay with improved dispersibility that increases flexibility in the paint manufacturing process. It is generally recommended to be added during the milling phase of pigments and extenders. It performs well under standard high-shear dispersion conditions and often benefits from the addition of a polar activator. The choice of polar activator will depend strongly on the chemistry of the system. Examples of polar activators are ethanol/water [95/5], methanol/water [95/5] or propylene carbonate.

It is also possible to incorporate **BENTONE 54** into a system as a standard pre-gel with a concentration of 5 -10 % by weight.

LEVELS OF USE

The level required depends on the system in which **BENTONE 54** is to be used. For decorative and industrial paints typical levels are between 0.2 and 1.0 % (dry) BENTONE® 54 based on total system weight.

HEALTH 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

Store in a cool, dry location

BENTONE® 54

SHELF LIFE

BENTONE 54 rheological additive has a shelf life of 4 (four) 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.

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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