

Hectorite Clay for Mineral-based Construction Systems

GENERAL INFORMATION

BENTONE® OC is a rheological additive based on untreated hectorite clay with a defined particle size. It is suitable for thickening and control of workability and flow of mineral-based construction systems.

PHYSICAL PROPERTIES

Composition	untreated natural hectorite clay
Solids Content	100 % powder
Color / Form	cream to light brown powder
Particle Size	95 % < 74 μ m
Density	2.6 g / cm ³

APPLICATIONS

Mineral-based construction systems such as

- Lime / cement renderings and mortars
- Gypsum plasters
- Exterior Insulation and Finishing Systems
- Gypsum anhydrate floorings
- Joint fillers
- Tile adhesives

KEY PROPERTIES

BENTONE® OC hectorite clay excellent flow control

- is a cost-effective thixotropic agent for mineral-based construction systems.
- improves ease of application and surface smoothness.
- increases sag resistance and softness.
- decreases pumping pressure and stickiness on tools.
- avoids sedimentation and bleeding.
- is stable against bacteria and enzymes.

INCORPORATION

BENTONE® OC can be added to the system as a dry powder. By wetting with water and mixing either by hand or machine the high shear dispersion conditions will separate the clay platelets and the product will become rheologically active. When used in a paste system BENTONE® OC should be activated with high shear equipment.

LEVELS OF USE

The addition levels are system-dependent. In plasters usually 0.1 - 0.3 % is used. Typical levels in other systems range from 0.1 - 3.0 % BENTONE® OC, based on the total formulation.

BENTONE® OC can be combined with other thickening agents without problems.

HANDLING AND SAFETY

Before using the product please consult our Safety Data Sheet. MSDS can be found on the company website at www.elementis-specialties-asia.com.

STORAGE RECOMMENDATIONS

Store in a dry place. BENTONE® OC additive will absorb moisture if stored under high humidity conditions. This, however, will not affect its overall performance.

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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SHELF LIFE

BENTONE® OC 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.

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