

BENTONE® OC

Hectorite clay based rheological additive

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.

CHEMICAL & PHYSICAL PROPERTIES

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

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

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

- Is a cost-effective thixotropic agent of 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

Recommended use level of BENTONE OC

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.

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 dry location. **BENTONE OC** additive will absorb moisture if stored under high humidity conditions. This, however, will not affect its overall performance.

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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North America

Elementis Specialties, Inc.
469 Old Trenton Road
East Windsor
NJ 08512, USA
Tel.: +1 609 443 2500
Fax: +1 609 443 2422

Europe

Elementis UK Ltd.
c/o Elementis GmbH
Stolberger Strasse 370
50933 Cologne, Germany
Tel.: +49 221 2923 2066
Fax: +49 221 2923 2011

Asia

Deuchem (Shanghai) Chemical Co., Ltd.
99, Lianyang Road
Songjiang Industrial Zone
Shanghai, China 201613
Tel.: +86 21 5774 0348
Fax: +86 21 5774 3563