

## BENTONE® GS

### Rheological Additive for Water-Borne Construction Systems

#### GENERAL INFORMATION

**BENTONE GS** additive is a beneficiated, powdered smectite clay specifically developed for construction applications.

#### CHEMICAL & PHYSICAL PROPERTIES

Composition	highly beneficiated smectite clay
Color / Form	milky-white, soft powder
Apparent (bulk) density	approx. 0.4 g/cm <sup>3</sup>
Particle Size	25% < 200 mesh minimum

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

#### APPLICATIONS

- (Lime) cement plasters
- Gypsum plasters
- Repair mortars
- Self-leveling floors
- Cement mortars
- Concrete

#### KEY PROPERTIES

Rheological properties

- provides thermostable viscosity control of the aqueous phase
- imparts thixotropy

Application performance

- enhances texturing and stippling effects
- improves workability/application of plasters
- reduces surface drag - so an enhanced finish
- limits separation

#### INCORPORATION

##### General

**BENTONE GS** can be added at any stage of production of a powder-based system like plaster or mortar. It will be fully activated during the normal processing conditions of hand or machine mixing. Recommended incorporation levels are 0.03% to 0.25% (of the total powder) depending on the desired application properties.

For liquid products it is recommended to add **BENTONE GS** to the water. Mix at highest practical speed for 10 minutes. Then add the other ingredients.

#### LEVELS OF USE

Recommended incorporation levels are 0.03% to 0.25% (of the total powder) depending on the desired application properties.

#### 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.

#### SHELF LIFE

**BENTONE GS** 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.*

© Copyright 2018, Elementis Specialties, Inc. All rights reserved. Copying and/or downloading of this document or information therein for republication is not allowed unless prior written agreement is obtained from Elementis Specialties, Inc.

© Trademark of Elementis Specialties, Inc.

V01 Aug. 2018

#### North America

Elementis  
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