

BENAQUA® 6000

Rheological Additive for Construction Products

GENERAL INFORMATION

BENAQUA® 6000 is a hectorite clay based rheological additive. **BENAQUA® 6000** is an easily dispersible powder designed for tile adhesive, stucco, cement-based plasters and other cementitious systems. It is especially useful in dry/cementitious systems where water is added prior to use.

BENAQUA® 6000 provides high viscosity in the low- to medium-shear-rate region. It gives superior sag resistance at low package viscosity compared with conventional thickeners. The unique hectorite clay improves shear-thinning rheology in formulated products. **BENAQUA® 6000** improves workability and open time in mortars. This leads to improved adhesion which allows for the potential reduction in binder level.

CHEMICAL & PHYSICAL PROPERTIES

Composition: Polymer modified hectorite clay

Appearance: Off white finely divided powder

Density: 0.65 g/cm³

Active content: > 97%

Natural content: 100%

Note: These are typical properties not to be used for specification purposes

APPLICATIONS

Adhesives

- Powder

Dry Mortars

- Tile Adhesives
- Stucco
- Pool Plasters (cement based)
- Skim coats

KEY PROPERTIES.

Open Time

- Gives excellent open times to achieve an “E” derogation in accordance with ISO13007

Rheological properties

- Good low to mid-shear-rate viscosity
- Excellent shear-thinning
- Excellent suspension

Application performance

- Superior sag resistance
- Improved open time and workability

Increased Adhesion

- Enhances adhesion strength of tile adhesives
- Promotes better bonding between tiles and substrates

BENAQUA® 6000

INCORPORATION

BENAQUA® 6000 is a dry powder which can be blended easily into dry mortars.

LEVELS OF USE

The typical levels of use for **BENAQUA® 6000** are 1% to 2% by weight

HEALTH & 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.

SHELF LIFE

BENAQUA® 6000 has a shelf life of 2 (two) years from date of manufacture.

STORAGE RECOMMENDATIONS

To be transported and stored in cool (< 40 °C) and dry conditions.

QUALITY ASSURANCE

Quality system at the site manufacturing this product complies with and is certified to ISO 9001 quality standards.

SUSTAINABILITY

Based on locally mined materials

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