

LAVIOKOLL® C400 Rheological Additive for Tile Cement Adhesive

General information

LAVIOKOLL® C400 is an organically modified powdered clay additive with high performances and efficiency, specific for tile cement adhesive formulations. The networking property of bentonite is used in construction products to modify flow behavior and to control sag on vertical substrates and sedimentation of solid particles. In addition, the clay network breaks down when shear is applied to the system (pumping, mixing, tooling), and the resulting viscosity is lower than that from cellulose ethers, improving the performance. Furthermore, the platelets work like lubricants reducing the friction between sand and cement particles and reducing the stickiness on tools caused by cellulosic ethers.

Chemical- physical properties

Composition	organically modified purified smectite clay
Physical form	white fine powder
Dry residue	max 3% > 325 mesh (45 µm)
Moisture	9-11%

The values indicated in this data sheet describe typical properties and do not constitute specification limits

Applications

- Cement based Tile Adhesives
- Cements systems
- Plaster-type compounds
- Latex paint

Properties

LAVIOKOLL® C400 is a rheological and thixotropic additive that shows an highly thickener capacity, improves workability and tooling, increases sag resistance and open time, imparts stability, viscosity control and adhesion control and enhances stippling effects.

LAVIOKOLL® C400 is stable in a wide pH range

Dosage

Typical addition levels are 0.1% - 0.5% of **LAVIOKOLL® C400** by weight of total formulation. The addition levels depend on the degree of suspension, the rheological properties or viscosity required.

Storage stability and packing

Product do not deteriorate in a significant way in a 12 months period.



LAVIOKOLL® C400 will absorb atmospheric moisture if stored under high humidity conditions. Storage is advisable in a dry, sheltered place in closed bags.

Packing is 25 kg net in paper bags.

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Information given in this bulletin is based on the state of our knowledge at the date of publication and are believed to be accurate, but do not constitute any engagement or warranty from our part. Buyers and users should make their own assessments under their own conditions and for their own requirements. Information may be changed without any notice. For mandatory characteristics and performance please refer to our Sale Specifications.

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