

OPTIBENT-6042

Powdered rheology additive based on an organically modified phyllosilicate for aqueous, hydraulically hardening construction systems.

Product Data

Composition

Modified phyllosilicate

Typical Properties

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

Bulk density: 500-700 kg/m³
Moisture content: max. 14 %
Supplied as: free-flowing, beige powder

Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

Storage and Transportation

The product is slightly hygroscopic and should be transported and stored dry in the unopened original container at temperatures between 0 °C and 30 °C.

Applications

Construction industry

Special Features and Benefits

As a result of its extremely thixotropic properties, OPTIBENT-6042 develops high anti-sagging properties whilst retaining good processing properties and improved open times, even with greatly increased levels of water. Consequently, OPTIBENT-6042 makes it possible to increase the water required in mineral binder systems and improves the processing consistency without impairing the hydration properties of the binder system. The product is shear stable and compatible with a variety of cementitious binders.

Recommended Use

OPTIBENT-6042 is suitable for aqueous mineral binder systems, preferably for tile adhesive formulations for large tiles and other thin-layered applications.

Tile adhesive	<input checked="" type="checkbox"/>
ETICS/adhesives and reinforcement mortars	<input checked="" type="checkbox"/>
Thick-layer plasters	<input type="checkbox"/>

☒ especially recommended ☐ recommended

Recommended Levels

0.1-0.5 % additive (as supplied) based upon the total formulation, depending on the properties of the formulation to be achieved.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

OPTIBENT-6042 is hydrophilic and can be added as supplied to dry mix mortar formulations.



Additive Guide



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