

OPTIBENT-7925

High-quality, powdered rheology additive based on a slightly modified phyllosilicate for high rheological effectiveness in hydraulically hardening construction chemical systems. Minimal effect on cement hydration and setting behavior.

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: 550–750 kg/m³
pH value (2 % in H₂O): 9–11
Moisture content: max. 13 %
Color: white
Delivery form: powder

Storage and transportation

The product is slightly hygroscopic and should be transported and stored in the unopened original container at temperatures between 0 °C and 50 °C.

Applications

Construction chemicals

Special features and benefits

OPTIBENT-7925 is based on a very pure phyllosilicate. An optimized manufacturing process enables an ideal viscosity buildup in the end system with the following properties:

- Significantly improved sag resistance of thick- and thin-layered dry mortar formulations
- Creamy, smooth consistency and therefore perfect workability behavior in polymer-modified systems

High rheological effectiveness is achieved through a special activation of the phyllosilicate exceeding the rheological properties of conventional organically modified phyllosilicates.

By using OPTIBENT-7925 the addition of organic thickeners can be eliminated or at least be reduced.

The impact on important system properties such as cement hydration and setting behavior is only minor compared to highly organically modified additives due to its primarily inorganic character. OPTIBENT-7925 is therefore also suitable for use in alternative binder systems such as hybrid cements, geopolymers, etc.

Recommended use

OPTIBENT-7925 is recommended for mineral binder systems based on conventional cements, plaster, or hybrid cements.

Adhesives and reinforcement mortars for ETICS	<input checked="" type="checkbox"/>
Cementitious basecoats	<input checked="" type="checkbox"/>
Mineral topcoat plasters	<input type="checkbox"/>

☒ especially recommended ☐ recommended

Recommended levels

0.1–2 % 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. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

OPTIBENT-7925 can be added to the dry mix mortar formulation as supplied.



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contact**

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This issue replaces all previous versions.