OPTIBENT-987

High-quality, powdered rheology additive based on an activated, natural phyllosilicate for excellent sag resistance and very good processing properties in aqueous, paste-like, and hydraulically hardening construction formulations. No negative impact on cement hydration or setting behavior.

Product data

Composition
Activated 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
Water content:	max. 13 %
Delivery form:	powder

Storage and transportation
Product shelf life in unopened original packaging: 24 months

Applications

Construction chemicals

Special features and benefits
OPTIBENT-987 is based on a high-purity phyllosilicate. An optimized manufacturing process enables an ideal viscosity buildup in the final product, which has the following properties:

- Significantly improved sag resistance in dry-mix mortars
- A creamy, smooth consistency, resulting in perfect workability behavior
- Increased storage stability and a reduced tendency to settle in aqueous, paste-like systems
- Constant viscosity, even at different temperatures

OPTIBENT-987 is a pure, inorganic additive that does not affect important system properties, such as hydration and setting behavior.

Recommended use

OPTIBENT-987 is suitable for a variety of aqueous construction systems in the pH neutral to alkaline range.

Jointing compounds and putties	■
Self-leveling compounds (SLU/SLO)	■
Dispersion-based systems	■
Self-leveling screeds	■
Mineral topcoat plasters	□

■ Especially recommended □ Recommended

Recommended levels

0.1-2.0 % additive (as supplied) based on 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-987 can be added to the dry-mix mortar formulation as supplied. In dispersion-based systems, the additive is preferably added as an intermediate. For this purpose, approx. 5 % of the powder is slowly added to water while stirring and dispersed at high shear forces for at least ten minutes.

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