# OPTIBENT-7920

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

## Product data

**Composition**
Activated, natural phyllosilicate

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

Bulk density:           500–750 kg/m$^3$
pH value (2 % in H$_2$O):  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-7920 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 in dry mortars
• Creamy, smooth consistency and therefore perfect workability behavior
• Increased storage stability and lower tendency to settle in aqueous, paste-like systems
• Constant viscosity even at different temperatures

OPTIBENT-7920 is a pure, inorganic additive and therefore does not affect any important system properties such as hydration and setting behavior. A very high degree of whiteness enables use in color-sensitive applications.

## Recommended use

OPTIBENT-7920 is recommended for use in various aqueous, mineral construction chemical applications in the pH-neutral to alkaline range.

| | |
|---|---|
| Mineral plasters | ☐ |
| Joint mortars | ◼ |
| Flowable underlayments and screeds | ◼ |
| Dispersion-based systems | ◼ |
| Putties | ◼ |

◼ 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-7920 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.

**Your local contact**

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