

# OPTIBENT-NT 10

High-quality, powdered rheology additive based on an activated phyllosilicate for aqueous, hydraulically hardening binder systems. Improves processability and can achieve a slightly hydrophobic effect.

## 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: 300-500 kg/m<sup>3</sup>  
Moisture content: max. 8%  
Supplied as: free-flowing, gray powder

### Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit [www.byk.com](http://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 (32 °F) and 30 °C (86 °F).

## Applications

### Construction industry

#### Special Features and Benefits

OPTIBENT-NT 10 significantly improves the processing properties and the anti-sagging properties. The product can also reduce the water absorption of hydraulically hardened systems. Compared with other additives with a hydrophobic effect, OPTIBENT-NT 10 can be easily incorporated with low-dusting.

#### Recommended Use

OPTIBENT-NT 10 is suitable for aqueous cementitious binder systems with a fine particle size distribution.

Jointing compounds	<input checked="" type="checkbox"/>
Cementitious base coats	<input type="checkbox"/>
Thin-layered plasters	<input checked="" type="checkbox"/>

☒ especially recommended   ☐ recommended

## OPTIBENT-NT 10

Data Sheet  
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### Recommended Levels

0.2-1.0% 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-NT 10 is hydrophilic and can be added as supplied to the dry mix mortar formulation.

### Special Note

OPTIBENT-NT 10 is a rheology additive and not a hydrophobic agent in the conventional sense. However, as a result of its rheological properties, it enables within limits a reduction of organic thickeners, and its platelet-shaped structure can also reduce water absorption of hydrated systems. Not suitable for plaster-based systems.



Additive Guide



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