

OPTIBENT-MF

Powdered rheology additive based on an untreated, natural phyllosilicate for aqueous, mineral-based construction systems. Particularly suitable for stabilizing free-flowing systems.

Product Data

Composition

Untreated phyllosilicate

Typical Properties

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

Bulk density: 700-900 kg/m³
Moisture content: max. 12 %
Supplied as: free-flowing, beige to gray-green 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 (32 °F) and 30 °C (86 °F).

Applications



Construction industry

Special Features and Benefits

OPTIBENT-MF generates thixotropic flow behavior and is particularly well suited to free-flowing systems with low viscosity hysteresis. It prevents the tendency of aggregates to sediment and bleed, without overly impacting the leveling properties. At high levels, OPTIBENT-MF can also reduce the water absorption of mineral binder systems as a result of its morphology.

Recommended Use

OPTIBENT-MF is suitable for a variety of aqueous construction systems.

Mineral barrier coatings	
Self-leveling screeds and self-leveling underlayments	

 especially recommended  recommended

Recommended Levels

0.05-2.0% 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-MF is hydrophilic and can be added as supplied to the dry mix mortar formulation. It is also possible to incorporate the additive in water at high shear forces to make a paste.



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