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## TECHNICAL DATA SHEET

# BENTONITE M90F

### COMPOSITION

**Bentonite**

### PHYSICO-CHEMICAL PROPERTIES

|                                                  | Specifications <sup>1</sup> |
|--------------------------------------------------|-----------------------------|
| <b>Moisture (%)</b>                              | <b>7 – 14</b>               |
| <b>Bulk Density (g/l)</b>                        | <b>600 - 740</b>            |
| <b>Particle Size Distribution by Dry Sieving</b> |                             |
| <b>Residue in 150µm (%)</b>                      | <b>Max. 0.0</b>             |
| <b>Residue in 75–150µm (%)</b>                   | <b>Max. 5.0</b>             |
| <b>Residue in 45–75µm (%)</b>                    | <b>Max. 25.0</b>            |
| <b>Less than 45µm (%)</b>                        | <b>Min 75.0</b>             |

<sup>1</sup> Applicable to the whole batch.

# BENTONITE M90F

*High purity sodium bentonite-based rheological additive*

## Properties

**BENTONITE M90F** is a high purity smectite-based additive with a selected particle size, specially developed to modify the rheology of joint compounds, plasters and fillers formulated in both powder and paste. **BENTONITE M90F** is recommended where a fine particle size is required

**BENTONITE M90F** can be used also as a binder agent of organic and inorganic powders. Its elevated swelling capacity in contact with water permits it to break apart easily while maintaining elevated resistance when dry.

**BENTONITE M90F** improves the following properties:

- Improves workability
- Increases resistance to sagging
- Improves pumping projection
- Reduces sedimentation and segregation during storage
- Increases the resistance of dry pellets
- Promotes wet disintegration.

## Fields of Application

- Joint compounds for gypsum plasterboard in dry and paste formulations
- Plasters and fillers
- Crack fillers
- Surface preparation
- Granulation and encapsulation.

## Recommendations of use

In dry products no special recommendation is required save that the mix is correctly homogenized.

In ready-mix products, **BENTONITE M90F** can be incorporated in the first phases of the dispersion together with other additives. It can also be incorporated with the organic thickeners before the addition of the load.

## Dosage

The dose of **BENTONITE M90F** varies depending on the application. However, normal doses are between 1% and 3%.

If additional information is needed to adjust the dosage, please contact our commercial delegates.

## Product Information

|                        |                                                      |
|------------------------|------------------------------------------------------|
| <b>Color</b>           | Light cream                                          |
| <b>Aspect</b>          | Fluid powder                                         |
| <b>Presentation</b>    | Available in 25 Kg paper bags or in Big Bags         |
| <b>Storage</b>         | Dry places protected from humidity                   |
| <b>Use best before</b> | No deterioration 2 years from the date of expedition |
| <b>Other</b>           | Chloride free                                        |