

## Peramin® SMF 10

### Plasticizer - water reducer

#### 1 Description

The dispersing agent Peramin® SMF 10 is a powder product based on sulfonated melamine.

Peramin® SMF 10 is well adapted to conventional cement, binder based on calcium sulfate or calcium aluminates, puzzolans or other fillers.

Peramin® SMF 10 gives an homogeneous and non-segregating mortar and grout.

Peramin® SMF 10 renders the possibility to reduce water content thus increasing strength.

Peramin® SMF 10 is compatible with all admixtures on the market and especially with the Peramin® range, but laboratory trials are advised before any industrial use.

Peramin® SMF 10 is recommended for powder formulations.

Typically, the dosage of Peramin® SMF 10 varies from 0.2 - 2.0 % by weight of binder.

The fields of application are: dry mortar industry and concrete.

Before use, it's recommended to read the material safety data sheet.

#### 2 Specification

Peramin® SMF 10 is produced and controlled within a quality management system that is certified according to ISO 9001.

The properties of Peramin® SMF 10 produced in Europe are conform to the requirements defined in the standard EN 934: Admixtures for concrete, mortar and grout.

The specification limits define the absolute limits of product conformity applicable for individual values.

The usual range represents typical values of production. This information is given for guidance only.

#### Chemical composition

	Specification limit
Na <sub>2</sub> O + 0,658 K <sub>2</sub> O, equivalent of alkali	< 13
Cl <sup>-</sup> as ions	< 0.05
pH in 5% solution	8.5 ± 1

The chemical characteristics of Peramin® SMF 10 have been determined according to calibrated internal methods.

#### Other physical characteristics

	Usual range	Specification limit
Dry content, %	92.5 – 94.5	93.5 ± 1

#### Visual aspect / Appearance

Off-white powder

#### 3 Additional information

This information is given for guidance only.

The formaldehyde released after hydrolyze of Peramin® SMF 10 is about 0,25% by mass according to internal methods of analysis.

#### EN 934 requirements in concrete

Water reduction at equal consistence (slump) on fresh concrete : Conform

Compressive strength on test specimen at equal consistence : Conform

Air content in fresh concrete at equal consistence : Conform

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0402

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EN 934-2:2009+A1:2012

**Water reducing / Plasticizing admixture for concrete**  
EN 934-2: T2

Maximum Chloride content: < 0,05% by mass

Maximum Alkali content: < 13% by mass

Contains components only from EN 934-1:2008, Annex A.1.

Dangerous substances : See Safety data sheet

#### 4 Shelf life and packaging

For optimal performance, Peramin® SMF 10 should be stored in its original packaging, in dry conditions at 5 - 40°C and not in direct contact with the ground. When stored in these conditions, performance is guaranteed for a minimum of 24 months.

Peramin® SMF 10 is available in pallets of 30 bags of 25 kg.

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