

# Cementa HPM



## ADDITIVE TYPE

Cementa HPM is a high performance-dispersing additive that is especially suitable for injection mortar based on Injektering 30, Ultrafin 16 and Ultrafin 12. Cementa HPM in combination with Injektering 30, Ultrafin 16 and Ultrafin 12, gives a good dispersion and filtration stability (penetration). Cementa HPM is based on sulphonated naphthalene and melamine polymers.

## THE PRINCIPAL EFFECT

Cementa HPM is a high performance-dispersing additive that is especially suitable for micro cements. A preliminary investigation must be carried out in order to establish the effect of the combination of current materials and formulas

## SIDE EFFECTS AT DIFFERENT TEMPERATURES

Cementa HPM has a slightly retarding effect that can be noticed in high dosage and low temperatures. Grout temperature lower than 5 degrees Celsius should normally be avoided due to low reactivity.

## IN COMBINATION WITH OTHER ADDITIVES OR MATERIALS

Cementa HPM should not be combined with other additives or cement without a comprehensive preliminary investigation.

## DOSAGE

Calculated as a percentage of the cement weight.

Normal dosage with	
Injektering 30	0.65 %
Ultrafin 16	0.90 %
Ultrafin 12	1.40 %
Recommended dosage	0.65–2.00 %
Rated Dosage	3.0 %

A preliminary investigation with the current dosage, cement type, water cement ratio, and temperature should always be carried out.

## EFFECTS OF OVERDOSING

Overdosing does not always result in a proportionally increased effect. When larger overdosing occurs then the qualities can be affected negatively.

## MODE OF PROCEDURE

### *Diluting*

The product is normally used with the supplied concentration.

### *Order*

Cementa HPM is added to the injection mortar after the other materials have been somewhat mixed. Alternatively, it may be added earlier if it has been mixed well in all mixing water.

## TECHNICAL DATA

Form	fluid
Colour	brown
Density	1 215 kg/m <sup>3</sup>
pH-value	approx. 7.5
Dry content	approx. 35 %
Viscosity	thinly fluid

## STORAGE

Cementa HPM should be stored in an open original can, drums, containers or in air tight containers at a temperature above 0 degrees Celsius and in that case it should be stirred a few times each day at approximately 30 minutes.

Note that the viscosity increases at low temperatures. So for good, easy handling, a storage temperature of > + 5 degrees Celsius is recommended.

The product should be used within a year after delivery or prior to the expiry date. Storage tanks should be cleaned once a year. If the product has a normal appearance and smell, and the effects have been checked, it can be used after a longer period of storage.

## DISTRIBUTION

They are supplied in 10 litres can, 200 litres drums, 1000 litres containers, or as bulk in a tank truck, and are distributed from Järfälla (Sweden).

## SAFETY DIRECTIONS

Cementa HPM is labelled with safety directions.

Complete information and safety directions can be obtained from our *MSDS (Material Safety Data Sheet)* folder, which is based on the Chemical Inspector's directions.

## MISCELLANEOUS

The aforementioned information is a direction only. When, amongst other things, the workmanship lies outside of our control, our responsibility is limited only to the supplied product.

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