

ANTIPOR® HydroCem-50 (VM)

Item No 2350

Viscosity modifier acc. to EN 934-2 for the manufactured concrete product industry

FIELDS OF APPLICATION

ANTIPOR® HydroCem-50 (VM) is a high-performance plasticizer to produce semi-dry concrete and especially developed for the manufactured concrete product industry. The multi-purpose product is suitable for both core and monolayer designs as well as to produce facing concrete mixes for e.g., pavers and slabs.

ANTIPOR® HydroCem-50 (VM) allows exploiting cement's full hydration potential which results in significantly improved high early strength. This may lead to shorter curing times, an improved productivity and to an economical concrete optimisation.

ANTIPOR® HydroCem-50 (VM) advances the tolerance to variations in water content which secures a more homogenous and steadier production process.

Moreover, the high-performance plasticizer improves concrete's compaction, attains an even and dense structure with closed surfaces and raises the colour brilliance in coloured concrete products. Concrete's aesthetical appearance is enhanced thereby.

DOSAGE

Recommended dosage range 0.2 – 2.1 mass-% of the cement content;
is equivalent to 2 – 20 ml per kg cement.

WORKING PRINCIPLE

ANTIPOR® HydroCem-50 (VM) improves the cement dispersion in concrete significantly. This property allows the formation of a homogenous and low-viscosity cement paste which ensures an exceptional workability and facilitates the compaction of concrete

TECHNICAL DATA

Homogeneity	homogenous
Colour	white
State	liquid
Density	1.04 ± 0.02 g/cm ³
pH-value	6.5 ± 1
Chloride content	< 0.10 M.-%
Alkaligehalt als Na ₂ O-Äquivalent	< 4.0 M.-%
Workability	from +1 °C
Shelf life	approx. 1 year from date of production if stored properly
Storage conditions	Store in unopened, original sealed packaging between +5 °C and +25 °C. Protect from frost and insolation

PROCESSING INDICATIONS

Agitation or circulation is recommended before the product is firstly used and after an undisturbed period.

ANTIPOR® HydroCem-50 (VM) should be added to the ready mixed concrete batch.

The mixing time must comply with the regulations defined in EN 206-1.

This product is not classified as hazardous according to the CLP regulations. See safety data sheet for further information.

PACKAGING

- 30 l can
- 200 l barrel
- 1000 l container

REMARKS

This information describes the application- and processing possibilities of a product and its operation principles under regular conditions. Having no influence on the further application and processing, especially in conjunction with other construction materials, the given indication are neither a warranty in respect of the product's properties or its fitness for a particular purpose nor a full instruction of use. This information, any other recommendation or verbal advice are not binding and do not infer to any liability or legal demand.

Due to continuous further development, the most recent Technical Data Sheet is valid and will be supplied on request. All orders are accepted subject to our current general terms and conditions.

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SUITABILITY- AND PRE-TESTS ARE NECESSARY BEFORE APPLYING THE CONCRETE ADMIXTURE!