

ANTIPOR® 450

Plasticizer for semi-dry concrete designs

Item No 2450/D

FIELDS OF APPLICATION

ANTIPOR® 450 is a plasticizer for the manufactured concrete product industry and specially engineered for semi-dry vibrated or pressed concrete products like pavers and masonry blocks.

The plasticizer attains an even and dense concrete structure with closed surfaces and might enhance concrete's aesthetical appearance.

ANTIPOR® 450 increases the strength development of concrete which may result in shorter curing times and an enhanced productivity.

ANTIPOR® 450 gives also the advantage to improve the side finishing of the paving stone, by using the lubrication effect.

ANTIPOR® 450 is a very suitable admixture for the face mix of a paving stone. It reduces the sticking of the concrete to the mould and gives a better homogenies mix.

DOSAGE

The general dosage range is 0.2 – 1.0 mass-% of the cement content.

WORKING PRINCIPLE

ANTIPOR® 450 improves the cement dispersion within concrete which results in an enhanced workability and an improved compaction of concrete.

TECHNICAL DATA

Homogeneity	homogenous
Colour	yellowish
State	liquid
Density	1.01 ± 0.02 g/cm ³
pH-value	8 ± 1
Chloride content	chloride free acc. to BS EN 934-2
Alkali content (Na ₂ O equivalent)	< 8.5 mass-%
Workability	from +1 °C
Shelf life	approx. 1 year from date of production if stored properly
Storage conditions	Store under cover, out of direct sunlight and protect from extremes of temperature.

PROCESSING INDICATIONS

ANTIPOR[®] 450 is added simultaneously with the mixing water onto the concrete mixture.

For the recommended mixing time the definitions and regulations of EN 206-1 apply.

COMPATIBILITY

ANTIPOR[®] 450 is suitable for concrete designs containing OPC or SRC cement, micro-silica or silica fume, fly ash (PFA) and ground granulated blast furnace slag (GGBS).

When using other Ha-Be admixtures in the same concrete mixture, the products should be added separately and must not be blended prior to addition! Using more than one admixture requires suitability and preliminary tests in order to ensure the required combination of its effects is attained.

PACKAGING

- 30 l can
- 200 l barrel
- 1000 l container
- loose by bulk supply

HEALTH & SAFETY

This product is not classified as hazardous according to the current regulations. Refer to the corresponding Material Safety Data Sheet for further advice.

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 indications 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.

Edition: 09 March 2015

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