

ANTIPOR® 255

Item No 2550/D

PCE based high performance plasticizer for manufactured concrete products

FIELDS OF APPLICATION

ANTIPOR® 255 is a multi-purpose high performance plasticizer developed for semi-dry concrete mixes in paving stone productions.

The PCE based admixture is applicable for base and face mixes.

ANTIPOR® 255 boosts the aesthetical appearance of paving stones: It improves the colour brilliance and the side finish due to its lubrication.

Enhancing the early and final strength development by exploiting the hydration potential of the cement the application of ANTIPOR® 255 may lead to shorter curing times and better productivity.

ANTIPOR® 255 allows reducing the mixing water and advances the tolerance to variations of the water content which secures a more homogenous and steadier production process.

DOSAGE

The general dosage range is 0.2 – 1.5 mass-% of the cement content.

WORKING PRINCIPLE

ANTIPOR® 255 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	yellowish, whitish
State	liquid
Density	1.03 ± 0.02 g/cm ³
pH-value	11.5 ± 1
Workability	from +1 °C
Chloride content	chloride free acc. to BS EN 934-2
Alkali content (Na ₂ O equivalent)	< 8.5 mass-%
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[®] 255 should be added to the ready-mixed concrete.

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

COMPATIBILITY

ANTIPOR[®] 255 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).

ANTIPOR[®] 255 should not be used in conjunction with any naphthalene based admixture.

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.

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