

# ANTIPOR® 211

**Water reducer for the production of concrete blocks and pavers**

Item No 2221/D

## FIELDS OF APPLICATION

ANTIPOR® 211 is a plasticizer for grey and coloured semi-dry concrete and especially developed for the manufactured concrete product industry.

ANTIPOR® 211 allows the production of mix designs with lower water/cement ratios and is especially suitable for the manufacture of paving stones and masonry blocks.

ANTIPOR® 211 advances concrete's appearance whilst achieving a dense and even texture with closed surfaces

ANTIPOR® 211 increases concrete's early strength development significantly and reduces sticking to the stamp. As a result cycle and curing times may be reduced. Concrete producer may attain an economical benefit due to higher efficiency.

## DOSAGE

The general dosage range is 0.2 – 2.0 mass-% of the cement content.

## STANDARD COMPLIANCE

ANTIPOR® 211 conforms to BS EN 934-2.

## WORKING PRINCIPLE

ANTIPOR® 211 improves the cement dispersion within concrete which leads to a better workability and a facilitated compaction of concrete.

## TECHNICAL DATA

Homogeneity	homogenous
Colour	amber
State	liquid
Density	1.02 ± 0.02 g/cm <sup>3</sup>
pH-value	3.0 ± 1.0
Chloride content	chloride free acc. to BS EN 934-2
Alkali content (Na <sub>2</sub> O equivalent)	alkali free acc. to BS EN 934-2
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

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ANTIPOR® 211 should be added to the ready-mixed concrete.

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

## COMPATIBILITY

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ANTIPOR® 211 is suitable for concrete designs containing OPC or SRC cement, microsilica 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

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

## HEALTH & SAFETY

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

## REMARKS

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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!**