

PANTAPOR 88

Air entraining agent for concrete

Item No 0200/E

FIELDS OF APPLICATION

PANTAPOR 88 is a highly effective air entraining agent specially designed to enhance the plasticity of fresh concrete and to reduce the water penetration as well as the sulphate attack of the hardened concrete. The admixture is suitable for the following applications:

- Aviation areas
- Concrete road constructions
- Concrete with high content of fine aggregates
- Constructions which require a reduced bleeding of concrete
- Concrete which requires an improved coherence and compaction

The use of PANTAPOR 88 may lead to the following benefits:

- Decrease of w/c ratio
- Reduction of bleeding and segregation
- Improved resistance of cured concrete to sulphate attack
- Allows high workability and easy placing
- Enhanced quality of concrete appearance

DOSAGE

The general dosage range is 0.2 – 1.2 mass-% of the cement content.

STANDARD COMPLIANCE

PANTAPOR 88 conforms to ASTM C494 Type A and EN 934-2 Table 5.

WORKING PRINCIPLE

PANTAPOR 88 ensures the formation of stable micro air pore systems in concrete. The air pores interrupt the suction of the capillary system in concrete which reduces the penetration of water significantly.

TECHNICAL DATA

Homogeneity	homogenous
Colour	blue
Chemical base	tenside
State	liquid
Density	1.00 ± 0.02 g/cm ³
pH-value	9.5 ± 1
Chloride content	chloride free acc. to EN 934-2
Alkali content (Na ₂ O equivalent)	< 1.0 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

PANTAPOR 88 is either added to the tempering water or to the ready mixed concrete.

COMPATIBILITY

PANTAPOR 88 is suitable for designs containing OPC or SRC cement, micro-silica or silica fume, fly ash (PFA), ground granulated blast furnace slag (GGBS) and bentonite.

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 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!