

DURAHIT® WP300

Item No 2295/E

Water resisting admixture for watertight concrete

FIELDS OF APPLICATION

DURAHIT® WP300 is an efficient waterproofing agent especially designed for achieving depth hydrophobization by crystallisation for optimum water repellence in demanding concrete projects.

The water resisting admixture is suitable for concrete with advanced requirements in durability and quality and where optimum protection against water absorption is required.

DURAHIT® WP300 is therefore particularly suitable for concrete applied in:

- Basements floors and walls
- Tunnel constructions
- Sewage treatment plants
- Water retaining constructions
- Drainage constructions
- Reinforced concrete constructions in marine environment

The waterproofing agent achieves a very effective protection mechanism which provides the following benefits:

- Optimum water repellence
- Decreased steel corrosion
- Enhanced resistance against visual deficient signs like effloresces

DURAHIT® WP300 advances concrete's durability and long-term performance and can make a contribution to ecological sustainability.

DOSAGE

Recommended dosage range 1.0 – 4.0 mass-% of the cement content.

WORKING PRINCIPLE

DURAHIT® WP300 reacts with calcium ions in concrete and forms a structure of water-insoluble crystals and generates a hydrophobic concrete texture thereby.

This hydrophobic effect reduces the capillary suction and decreases concrete's water absorption abilities.

TECHNICAL DATA

Homogeneity	homogenous
Colour	colourless to yellowish
State	liquid
Density	1.01 ± 0.02 g/cm ³
Workability	from +5 °C
Chloride content	chloride free acc. to BS 934-2
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

DURAHIT® WP300 should be added either contemporaneously with the tempering water or to the ready-mixed concrete batch.

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

In order to ensure compatibility with other admixtures, pre-tests should be performed.

STANDARD COMPLIANCE

DURAHIT® WP300 conforms to BS EN 934-2, Table 9.

COMPATIBILITY

DURAHIT® WP300 is suitable for designs containing Portland or SRC cement, microsilica or 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. Do not mix it with any Naphthalene based admixtures!

PACKAGING

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

HEALTH & SAFETY

This product is 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 is 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.

The management system of Ha-Be Egypt is certified to ISO 9001:2015.



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