

DURAHIT® WP 107

Item No 2291/E

Economic water resisting and air entraining admixture for durable concrete

FIELDS OF APPLICATION

DURAHIT® WP 107 is an economic water resisting and air entraining admixture designed for increasing water impermeability in durable concrete projects.

The water resisting admixture decreases concrete's capillary water absorption and is therefore especially suitable for concrete that is temporarily or permanently exposed to water. Typical applications are:

- Concrete road paving for highways, harbours and airports
- Swimming pools and reservoirs
- Sewage and water treatment plants
- Foundations, basements floors and walls
- Precast elements
- 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:

- Improved water impermeability
- Increased durability
- Decreased steel corrosion
- Enhanced resistance against visual deficiently signs like effloresces

DURAHIT® WP 107 advances concrete's long-term performance and can make a contribution to ecological sustainability.

DOSAGE

The general dosage range 0.2 – 1.4 mass-% of the cement content.

WORKING PRINCIPLE

DURAHIT® WP 107 is a special admixture composition which combines multiple advantages for concrete:

Primarily, it enables a controlled entrainment of micro air voids that interrupt the capillary suction and reduces the water uptake significantly.

Moreover, DURAHIT® WP 107 allows the following benefits:

- Reduction of tempering water
- Increase of workability
- Improvement of setting, pumping and placing abilities

TECHNICAL DATA

Homogeneity	homogenous
Colour	dark brown
Chemical base	lignin sulphonat
State	liquid
Density	1.21 ± 0.03 g/cm ³
pH-value	4 ± 1
Workability	from +5 °C
Chloride content	chloride free acc. to EN 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® WP 107 should be added either contemporaneously with the tempering water or to the ready-mixed concrete batch.

STANDARD COMPLIANCE

DURAHIT® WP 107 conforms to EN 934-2 Table 9.

COMPATIBILITY

DURAHIT® WP 107 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 grout 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

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!