

DURAHIT® WP 107 (DM)

Item No 2291

Economical water resisting admixture acc. to DIN EN 934-2 for watertight concrete

FIELDS OF APPLICATION

DURAHIT® WP 107 (DM) is an economical water-proofing agent 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:

- 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 (DM) advances concrete's long-term performance and can make a contribution to ecological sustainability.

DOSAGE

Recommended dosage range 0.2 – 1.4 mass-% of the cement content;
is equivalent to 2 – 12 ml per kg cement.

WORKING PRINCIPLE

DURAHIT® WP 107 (DM) 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 (DM) allows the following benefits:

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

TECHNICAL DATA

Homogeneity	homogenous
Colour	brown
State	liquid
Density	1.18 ± 0.03 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® WP 107 (DM) 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.

This product is not classified as hazardous according to the CLP regulations. See safety data sheet for further information.

PACKAGING

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

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!