

DURAHIT® WP 900 (DM)

Item No 2591

Water resisting admixture for demanding concrete acc. to EN 934-2

FIELDS OF APPLICATION

DURAHIT® WP 900 (DM) is a highly efficient water resisting agent specially designed for achieving strong hydrophobization for optimum water repellence in demanding concrete projects.

The water resisting admixture is suitable for concrete with advanced requirements in durability and quality. Therefore DURAHIT® WP 900 (DM) is particularly suitable for concrete applied in:

- Industrial floors
- Steel concrete
- Aviation areas
- Architectural and exposed concrete
- Tunnel and underground constructions
- Sewage treatment plants
- Water retaining constructions
- Drainage constructions
- Concrete constructions in marine environment
- Car parks and parking garages

DURAHIT® WP 900 (DM) achieves a very effective protection mechanism, which may provide the following benefits:

- Reduced water absorption
- Increased freeze-thaw resistance
- Decreased steel corrosion
- Increased chemical resistance
- Reduced efflorescence tendencies
- Reduced dirt adhesion

DURAHIT® WP 900 (DM) advances concrete's durability and long-term performance and can make a contribution to ecological sustainability.

DOSAGE

Recommended dosage range 0,2 – 1,0 mass-% of the cement content;
is equivalent to 2 - 10 ml per kg cement.

WORKING PRINCIPLE

DURAHIT® WP 900 (DM) reacts with the cement matrix during the hydration process 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	white
State	liquid
Density	0.96 ± 0.02 g/cm ³
pH value	8.0 ± 1.0
Workability	from +5 °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

DURAHIT® WP 900 (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 are recommended.

This product is 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 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.

Edition: 31 March 2023

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