

DURAHIT® WP 800 (DM)

Item No 2581

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

FIELDS OF APPLICATION

DURAHIT® WP 800 (DM) is a highly effective water-proofing agent for the concrete production and especially suitable for constructions like:

- Reservoirs
- Sewage and water treatment plants
- Tunnels and subway systems
- Underground vaults
- Foundations
- Parking spaces
- Precast elements
- Coastal Protection
- Structures with seawater contact

DURAHIT® WP 800 (DM) generates a hydrophobic concrete structure which provides the following advantages:

- Resists extreme hydrostatic pressure
- Becomes an integral part of the concrete
- Allows concrete to breathe
- Less expensive than conventional methods
- Permanent
- Added to the concrete at time of batching and therefore is not subject to climatic restraints
- Reduces construction scheduling time
- Pure, solvent-free product
- Watervaporpermeable
- Significantly reduces absorption of water and damaging water-borne salts (e.g. chlorides)
- Decreases alkali/silica reactions in concrete

DOSAGE

Recommended dosage range 0.2 – 1.0 mass-% of the cement content;
is equivalent to 2,7 – 11 ml per kg cement.

WORKING PRINCIPLE

DURAHIT® WP 800 (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. Having this properties the occurrence of efflorescence and frost damages are minimised.

Consequently, DURAHIT® WP 800 (DM) advances concrete's durability and long-term performance and can make a contribution to ecological sustainability therefore.

TECHNICAL DATA

Homogeneity	homogenous
Colour	colourless
State	liquid
Density	0.88 ± 0.02 g/cm ³
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

DURAHIT® WP 800 (DM) should be added either contemporaneously with the tempering water or to the ready-mixed concrete batch.

The mixing time should be 60 seconds at least.

Using more than one admixture in the same concrete mixture requires suitability and preliminary tests in order to ensure the required combination of its effects is attained.

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

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

SPECIAL INDICATIONS

The concrete design should comply with the concept of the exposition classes defined in DIN EN 206-1 and DIN 1045-2.

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.

Edition: 06 August 2019

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