

Betsilan ADMIX

Water-repellent concrete admixture for complete waterproofing of fresh concrete

DESCRIPTION

Betsilan ADMIX is a water-based concrete admixture specifically designed for the integral waterproofing of fresh concrete. Within the concrete mix, Betsilan ADMIX distributes evenly throughout the mass, effectively extending the service life of concrete structures and inhibiting alkali-silicate reaction (ASR).

TYPICAL APPLICATIONS

Betsilan ADMIX is used for waterproofing basements, water tanks, roofs, reservoirs, dams, wastewater treatment plants, swimming pools, water treatment facilities, tunnels, marine structures, and more.

- Reinforced concrete structures
- Underground concrete structures
- Other reinforced concrete constructions
- Concrete stone products
- Shotcrete

BENEFITS & ADVANTAGES

Betsilan ADMIX

- Significant reduction in water absorption
- Effective chloride barrier, protecting reinforcement against corrosion
- Stops or slows alkali-silicate reaction
- Maintains high water vapor permeability
- Excellent UV resistance
- Surfaces do not become shiny, sticky, or yellow
- Sufficient resistance to alkaline environments
- Safe to use
- Environmentally friendly composition
- Reduction of efflorescence
- Improves the hydration process.

PROPERTIES

Property	Unit	Value
Active Content	%	50
Appearance		White liquid
Density	g/m ³	~ 0,95 (20 °C)
viscosity	mPa·s	12 (25 °C)

DOSAGE

Betsilan ADMIX is added to the concrete mix using automatic dosing systems at the mixing plant, at a rate of **1% per 100 kg** of total cementitious material. In exceptional cases, based on specific project requirements, the dosage can be increased to **5% per 100 kg** of cementitious material. The best results in inhibiting ASR (alkali-silicate reaction) were achieved at a concentration of 2,5% per 100 kg of cementitious material, but the final dosage should be adjusted according to the quality and composition of the cement.

Betsilan ADMIX should be added either simultaneously with the mixing water or immediately after – it should never be added together with other admixtures. We recommend testing compatibility with other concrete admixtures separately. A longer mixing time distributes the product evenly throughout the system, enhancing its effectiveness.

For optimal dosing, we recommend consulting the manufacturer, **SL Protection OÜ**.

For other cement-based materials, such as dry-mix mortars, we recommend using 0.2–0.4% of the total dry mix mass.

STORAGE

Betsilan ADMIX should be stored at temperatures between +5 °C and +40 °C.

The product has a shelf life of at least 12 months if stored in originally sealed containers. Protect from freezing.

HEALTH AND SAFETY

Before using Betsilan ADMIX, carefully read its Safety Data Sheet (SDS) to obtain information on safety, toxicology, and proper transportation, storage, and usage.

The Safety Data Sheet is available upon request from info@slprotection.eu or from your local representative.

PACKAGING

Betsilan ADMIX is available in 25 L canister and 1000 L IBC containers.

WASTE DISPOSAL

When disposing of waste, follow local waste management regulations and take hazardous waste to an appropriate collection point.



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CONTACT OF THE MANUFACTURER

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1504

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1504-CPR-0516
EN 934-2:2009+A1:2012

Water resistant admixture for concrete
EN 934-2:T9
Betsilan ADMIX

Chloride ion content	Up to 0.1 % by mass
Alkali content	Up to 0,5 % by mass
Corrosivity	Passed
Compressive strength	Passed
Capillary absorption	Passed
Air content	Passed

Hazardous substances	NPD (No Performance Determined)
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NOTE: All reasonable measures have been taken in the manufacture of Betsilan ADMIX products to ensure compliance with the high-quality standard of Betsilan ADMIX. The recommendations and product features are believed to be based on the most reliable information available and are not recommendations for infringement of rights of other patents. Although all Betsilan ADMIX products undergo rigorous quality testing, no specific guarantee can be given as the results depend not only on quality but also on the factors beyond our control. Therefore, we are happy to consult in case of doubts about the application or the indicators and point out at the same time that oral recommendations other than those listed here are not binding without the written confirmation of Betsilan ADMIX. All transactions take place in accordance with our terms of sale, delivery and service. This data sheet replaces the previous one, the version replacing it can be issued without prior notice, if necessary. The information provided on this sheet is true and reliable to the best of our knowledge. The provided on-site service cannot be considered as responsible supervision. Therefore, our guarantee is limited to the quality of the materials supplied.