

Crystalline admixture - CE EN 934-2 :T9

- integral permanent system
- improving concrete properties
- liquid - easy to use
- also tested against high water pressure *

Chloride ion content	≤ 0.1 M %	CE 0836
Alkali content	≤ 10.5 M %	
Corrosion behaviour	≤ 10 µA/cm²	Vandex Isoliermittel-GmbH Industriestr. 21 DE-21493 Schwarzenbek 19 652 EN 934-2:2009+A1:2012 Water resisting admixture for concrete
Compressive strength at 28 days:	≥ 85% of control mix	
Air content	≤ 2% by volume above control mix	
Capillary absorption		
7 d / 7 d	≤ 50% by mass of control mix	
90 d / 28 d	≤ 60% by mass of control mix	
Dangerous substances	cf. Safety Data Sheet REACH	

PRODUCT DESCRIPTION

VANDEX AM 10 LIQUID is an integral crystalline concrete admixture powder CE marked under EN 934-2:T9. VANDEX AM 10 LIQUID is specifically formulated to interact with concrete capillary pore structures and becomes a permanent part of the concrete matrix. VANDEX AM 10 LIQUID can be used in above- and below-grade applications. Active chemicals combine with the free lime and moisture present in the capillary tracts and pores, to form insoluble crystalline complexes. These crystals block the capillaries and minor shrinkage cracks in the concrete. However, the concrete will still allow the passage of water vapour through the structure (i.e. the concrete will still be able to "breathe").

AREAS OF APPLICATION

- waste treatment facilities
- foundations and basements
- marine structures
- precast concrete
- tunnels and subways
- dams and water reservoirs
- manholes
- underground vaults
- parking structures
- swimming pools
- water containment structures

PROPERTIES

- water resisting concrete admixture EN 934-2:T9
- reduces water penetration
- no adverse effect on compressive strength or setting time with Portland cement
- easy to use liquid material
- negligible effect on working time, increasing flexibility
- very economical compared to other methods
- vapour diffusion in concrete is not blocked

GUIDELINES FOR USE

VANDEX AM 10 LIQUID can be used in drum mixed and central batched concrete applications. It should be added to the initial batching sequence preferably as the aggregate is being added to the mixing vessel.

DOSAGE

VANDEX AM 10 LIQUID is dosed 2% by weight of cementitious material (BWC) depending on application. Please consult your local Vandex representative for dosage recommendations.

GENERAL REMARKS

- VANDEX AM 10 LIQUID should be added to the aggregate as it is being batched or to the initial batching sequence.
- In all cases, consult the Safety Data Sheet before use.
- Preliminary testing is encouraged to ensure concrete performance of all project concrete ingredients.
- Trial mixes should be carried out under project conditions to confirm concrete performance.

PACKAGING

10 kg jerrycan. Others on request.

STORAGE

When stored in unopened, undamaged original packaging, shelf life is 12 months.

HEALTH AND SAFETY

Please refer to Safety Data Sheet on www.vandex.com.

FURTHER TEST DATA *

Permeability Testing, CRD C48-92

Work in progress.

Water Penetration, DIN 1048

Work in progress

Compressive Strength, psi (MPa) ASTM C 39

Work in progress

Freeze/Thaw Resistance, ASTM C 666

Work in progress

Flexural Strength, psi (MPa) ASTM C 78

Work in progress

Rapid Chloride Permeability, ASTM C 1202

Work in progress.

TECHNICAL DATA OUTSIDE SCOPE OF CE			
Test type	Method	Test parameters	Performance relative to control
Water penetration	DIN 1048	Work in progress	Work in progress
Water permeability	CRD C48-92	Work in progress	Work in progress
Capillary absorption	ASTM C-1585	Work in progress	Work in progress
Compressive strength	ASTM C-39	Work in progress	Work in progress
Resistance to chloride penetration	ASTM C1202	Work in progress	Work in progress
Length change	ASTM C-157	Work in progress	Work in progress
Sulphate resistance	ASTM C-1012		
Admixtures for concrete	EN 934-2	See CE-box above	See CE-box above

Testing was performed under laboratory conditions using laboratory materials.

The information contained herein is based on our long-term experience and the best of our knowledge. We can, however, make no guarantee since for a successful outcome, all circumstances in an individual case must be taken into consideration. Indications of quantities required are only averages which in certain cases might be greater.



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