VANDEX™ AM-10

Integral Crystalline Waterproofing Admixture

EUCLID CHEMICAL

Description

Vandex AM-10 is an integral crystalline admixture formulated to interact with concrete capillary pore structures to provide a waterproofing system that becomes a permanent part of the concrete matrix. Vandex AM-10 can be used in above and below grade applications. Vandex AM-10 contains no added chlorides or chemicals known to promote the corrosion of steel.

Primary Applications

- Waste treatment facilities
- Tunnels & subways
- Manholes
- Parking structures
- Foundations & basements
- Dams & water reservoirs
- Underground vaults
- Water containment structures

Features / Benefits

- Reduce or eliminate water penetration
- Easy to use powdered material
- Negligible affect on working time
- Interior or exterior waterproofing
- Improves chemical resistance
- Can seal hairline cracks up to 0.5mm

Technical Information

Results were obtained under laboratory conditions with materials meeting the specifications of the stated ASTM / DIN / CRD method. Changes in the materials, mix design, mixing methods, temperature and site conditions can affect the dosage response. Trial mixes should be run in order to confirm design dosage response and concrete physical requirements are met.

Test Type	Method	Test Parameters	Performance Relative to Control
Water Penetration	DIN 1048	72 psi head pressure	40% Reduction
Water Permeability	CRD C48-92	200 psi head pressure	>70% Reduction
Capillary Absorption	ASTM C-1585		>40% Reduction
Resistance to Chloride Penetration	ASTM C1202		10% Improvement

Packaging

Vandex AM-10 is packaged in 18kg bags.

Dosage

Vandex AM-10 is typically dosed at 1 to 2% by weight of cementitious material for most applications. Please consult your local Euclid Chemical representative for further dosage recommendations.

StonCor Africa (Pty) Ltd
Tel: +27 (0) 11 254 5500
E-mail: stoncorsa@stoncor.com

www.stoncor.co.za

Shelf Life

1 Years in original, unopened package.

Directions For Use

Vandex AM-10 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. Concrete should be mixed a minimum of 10 minutes, at normal mixing speed, after all concrete constituents have been batched to ensure thorough dispersion of all materials. Vandex AM-10 should not be added to the concrete mixture after the cementitious ingredients have been introduced.

Clean-Up

Clean tools and equipment with water before the material hardens.

Precautions / Limitations

- Vandex AM-10 should be added to the aggregate as it is being batched or to the initial batching sequence.
- Do not add Vandex AM-10 at the end of the batching sequence. Adding to the end of the batching sequence may result in extended setting characteristics or premature stiffening of the concrete.
- Vandex AM-10 may require a slight increase in air entrainer dosage.
- In all cases, consult the Material Safety Data Sheet before use.
- Preliminary testing is encouraged to ensure concrete performance of all project concrete ingredients.
- Setting times may be extended depending on cement chemistry. Trial mixes should be done to confirm performance.