



EUCLID CHEMICAL

# EUCON VANDEX™ AM-10

## INTEGRAL CRYSTALLINE WATERPROOFING ADMIXTURE

### DESCRIPTION

Eucon Vandex AM-10 is an integral crystalline admixture specifically formulated to interact with concrete capillary pore structures to provide a waterproofing system that is a permanent part of the concrete matrix. Eucon Vandex AM-10 can be used in above-and below-grade applications.

### PRIMARY APPLICATIONS

- Waste Treatment Facilities
- Foundations & Basements
- Tunnels & Subways
- Dams & water reservoirs
- Manholes
- Underground Vaults
- Parking Structures
- Water Containment Structures
- Swimming Pools

### FEATURES/BENEFITS

- Reduce or Eliminate water penetration
- No adverse affect on compressive strength
- Negligible affect on working time
- Interior or exterior waterproofing
- Easy to use powdered material
- Improves chemical resistance

### TECHNICAL INFORMATION

Testing was performed under laboratory conditions using laboratory materials.

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
Compressive Strength	ASTM C-39		equal to and up to 8% increase
Resistance to Chloride Penetration	ASTM C1202		10% Improvement
Length Change	ASTM C-157		Up to 20% Reduction

### PACKAGING

Eucon Vandex AM-10 is packaged in 22 lb (10 kg) pulpable bags.

### SHELF LIFE

1 year in original, unopened bags.

## SPECIFICATIONS/COMPLIANCES

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- ANSI/NSF STD 61

## DOSAGE

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

## DIRECTIONS FOR USE

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Eucon 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. Eucon Vandex AM-10 should not be added to the concrete mixture after the cementitious ingredients have been introduced.

## PRECAUTIONS/LIMITATIONS

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

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