



EUCON™ VANDEX™ AM-10

INTEGRAL CRYSTALLINE WATERPROOFING ADMIXTURE

EUCLID CHEMICAL

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
- Easy to use powdered material
- Negligible affect on working time
- Interior or exterior waterproofing
- Improves chemical resistance

TECHNICAL INFORMATION

These 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 of EUCON VANDEX AM-10. Trial mixes should be run in order to confirm design dosage response and concrete physical requirements are met.

Water Penetration	<i>DIN 1048</i>	<i>72 psi Head Pressure</i>	<i>40% Reduction</i>
Water Permeability	<i>CRD C48-92</i>	<i>200 psi Head Pressure</i>	<i>>70% Reduction</i>
Capillary Absorption	<i>ASTM C-1585</i>		<i>>40% Reduction</i>
Resistance to Chloride Penetration	<i>ASTM C1202</i>		<i>10% Improvement</i>

PACKAGING

Eucon Vandex AM-10 is packaged in 22 lb (9.98 kg) pulpable bags.

SHELF LIFE

1 year in original, unopened package.

SPECIFICATIONS/COMPLIANCES

- ANSI/NSF STD 61

DOSAGE

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

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

- 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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