**EUCON™ VANDEX™ AM-10**

**INTEGRAL CRYSSTALLINE WATERPROOFING ADMIXTURE**

**DESCRIPTION**

**Eucon Vanex 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. **EUCON VANDEX AM-10** contains no added chlorides or chemicals known to promote the corrosion of steel.

**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
- Can seal hairline cracks up to 0.5 mm

**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.

<table>
<thead>
<tr>
<th>Test Type</th>
<th>Method</th>
<th>Test Parameters</th>
<th>Performance Relative to Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Penetration</td>
<td>DIN 1048</td>
<td>72 psi Head Pressure</td>
<td>40% Reduction</td>
</tr>
<tr>
<td>Water Permeability</td>
<td>CRD C48-92</td>
<td>200 psi Head Pressure</td>
<td>&gt;70% Reduction</td>
</tr>
<tr>
<td>Capillary Absorption</td>
<td>ASTM C-1585</td>
<td></td>
<td>&gt;40% Reduction</td>
</tr>
<tr>
<td>Resistance to Chloride Penetration</td>
<td>ASTM C1202</td>
<td></td>
<td>10% Improvement</td>
</tr>
</tbody>
</table>

**PACKAGING**

**EUCON VANDEX AM-10** is packaged in 22 lb (9.98 kg) pulpable bags.

**SHELF LIFE**

1 year in original, unopened package.
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.

**Dosage**

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 extended depending on cement chemistry. Trial mixes should be performed to confirm concrete performance.

**Specifications/Compliances**

- ANSI/NSF STD 61
- ASTM C 494 Type S

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**Warranty:**

The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. Euclid makes no warranties, implied or otherwise, as to the merchantability or fitness for ordinary or particular purposes of its products and excludes the same. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid’s installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid’s products for the Buyer’s intended purposes.