EUCLID CHEMICAL

WATERPROOFING
SOLUTIONS

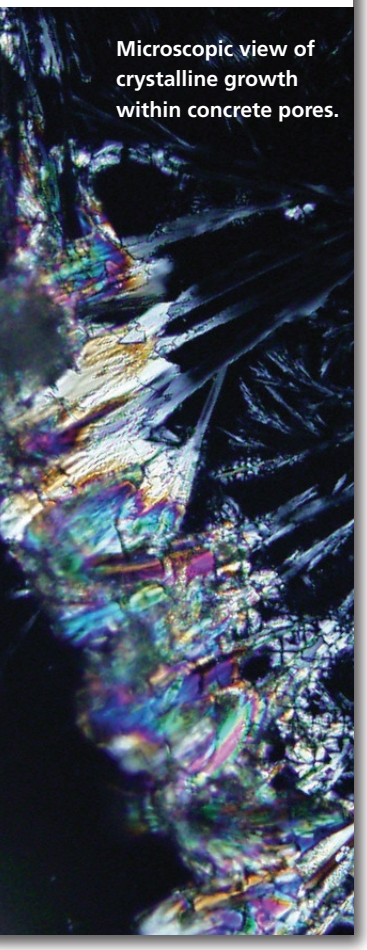
WATERPROOFING COATINGS

URETHANE GROUTS

CONCRETE REPAIR MATERIALS

HIGH PERFORMANCE ADMIXTURES

CHEMICAL RESISTANT COATINGS & LINERS



Microscopic view of crystalline growth within concrete pores.

WATERPROOFING MATERIALS

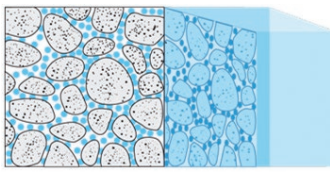
AN INVENTION MAKES HISTORY & GAINS WORLDWIDE RECOGNITION

In 1943 a Danish chemist, Lauritz Jensen, patented a revolutionary capillary active concrete waterproofing method. In 1946, he founded his first company in Denmark and called it VANDEX ("water out"). Owing to its many advantages and distinct benefits, the VANDEX method soon succeeded in the Scandinavian market and subsequently gained ground throughout Europe. In the 50's and 60's, VANDEX penetrated the world market through subsidiaries, licensing and distributorships. In 1979, the VANDEX Group was acquired by Swiss interests and VANDEX International was founded as the new vehicle for the VANDEX Group's international activities. RPM Inc. (Medina, OH) acquired VANDEX International in 2006. In 2011, RPM Inc. granted **Euclid Chemical** the manufacturing and distribution rights in the Americas and Canada. Today VANDEX is recognized as a leading brand in over 70 countries worldwide.

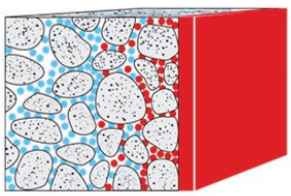
VANDEX SUPER is a NSF/ANSI 61 compliant waterproofing treatment that becomes an integral part of concrete through a crystallization process. After application to either the positive or negative side of a concrete substrate, crystal growth begins, blocking the capillaries and minor shrinkage cracks within the concrete to prevent any further water ingress. In addition to waterproofing, VANDEX SUPER protects concrete substrates against saltwater, wastewater, hard ground water and certain chemical solutions.

VANDEX BB 75 is an engineered surface waterproof coating with hydrophobic properties that complies with NSF/ANSI Standard 61 for use with potable water. It can be brush or spray applied to either the positive or negative side of a concrete or masonry substrate in need of waterproofing. Tested to over 230 feet of hydrostatic pressure, VANDEX BB 75 is suitable for horizontal and vertical/overhead uses. While resistant to water and moisture, it allows the structure to breathe by allowing the passage of vapor.

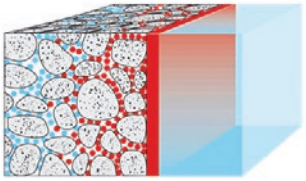
VANDEX CEMELAST is an elastic surface waterproof coating with hydrophobic properties. It is comprised of VANDEX CEMELAST LIQUID and VANDEX BB 75 POWDER. When the two are mixed together to create VANDEX CEMELAST, areas that are subject to cracking and minor movement can be easily waterproofed. Tested to over 50 feet of hydrostatic pressure, VANDEX CEMELAST is suitable for horizontal and vertical/overhead uses. While resistant to water and moisture, it allows the structure to breathe by allowing the passage of vapor.



Concrete wall exposed to water, which fills the capillaries of the concrete leading to long term damage.



VANDEX SUPER is applied and a crystalline growth occurs within the capillaries, thus eliminating the pathways for water.



Concrete is now waterproof, but will allow the passage of vapor. The crystalline structure may go dormant, but will reactivate upon any further ingress of water.

EUCON VANDEX AM-10

INTEGRAL CRYSTALLINE WATERPROOFING ADMIXTURE

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.

READY MIXED CONCRETE

EUCON VANDEX AM-10 can be used in all aspects of ready mixed concrete where waterproof structures are mandated. From water treatment facilities to building foundations and basements to water containment structures, EUCON VANDEX AM-10 can be used in above and below grade applications.

PRECAST CONCRETE

EUCON VANDEX AM-10 is used to produce waterproof concrete in any precast segment including new tunnel lining segments, subway applications, underground utility vaults or water conveyance pieces.

NSF/ANSI STANDARD 61 CERTIFIED PRODUCTS

ADMIXTURES

ACCELGUARD 80
EUCON AEA-92 & AEA-92S
EUCON AIR MIX 200
EUCON AIR MAC6 & MAC12
EUCON 1037
EUCON MR
EUCON RETARDER 75
EUCON STASIS
EUCON WR-91
EUCON X-15
PLASTOL 6400
PLASTOL 6420
CONEX
EUCON VANDEX AM-10

CONSTRUCTION PRODUCTS

EUCOREPAIR V100
EUCOREPAIR SCC
TAMMS STRUCTURAL MORTAR
VANDEX SUPER
VANDEX BB75
HEY'DI K-11
TAMOSEAL
DURALKOTE 240

VANDEX PROJECT HIGHLIGHTS

- **Big Buffalo WWTP**– Sanford, NC
- **The Florida Aquarium** – Tampa, FL
- **Lake Connell Dam** – Ketchikan, AK
- **Potomac WTP** – Potomac, MD
- **Hard Rock Hotel** – Playa del Carmen, Mexico
- **Oro Valley Aquatic Center** – Tucson, AZ
- **Pennsylvania Turnpike Tunnel** – Somerset, PA
- **UH Classroom Building** – Houston, TX
- **Toyota Powertrain Facility** – Georgetown, KY
- **Survival Systems Training** – Dartmouth, Nova Scotia
- **Goodwill Games Pool** – New York, NY
- **Fort Smith Municipal WTP** – Mountainburg, AR
- **Toledo Zoo** – Toledo, OH
- **Fidelity Investments Parking Garage** – Durham, NC
- **Tenmile Water Project** – Bend, OR

WATER FACILITY
COMPLETE CONCRETE SOLUTIONS

INDUSTRY LEADERSHIP

For more than a century, The Euclid Chemical Company has served as a leading supplier to the concrete and masonry industry offering a full line of engineered concrete admixture and construction products marketed under the EUCO brand name. These products include concrete admixtures, block and masonry additives, curing and sealing compounds, epoxy adhesives, floor and wall coatings, structural grouts for columns, equipment and machinery, joint fillers and repair products. The Euclid Chemical Company strives to bring innovative technologies and products to the concrete market with industry leading customer service.

STRUCTURAL AND COSMETIC REPAIR MATERIALS

- Form and Pour Mortars – **EUCOREPAIR SCC, EUCOCRETE, TAMMS FORM AND POUR**
- Horizontal Trowel Applied Mortars – **VERSASPEED 100, CONCRETE-TOP SUPREME**
- Vertical Trowel Applied Mortars – **EUCOREPAIR V100, SPEED CRETE RED LINE**
- Machine Applied Mortars – **EUCOSHOT, TAMMS STRUCTURAL MORTAR**
- Cathodic Protection – **SENTINEL GL, SENTINEL SILVER, SENTINEL GOLD**

CRACK REPAIR

- Chemical Grouts – **DURAL AQUA-DAM, DURAL AQUA-FIL**
- Epoxy Injection – **DURAL FAST SET EPOXY LV and GEL, DURAL 452 LV and GEL, DURAL INJECTION GEL**
- Urethane Crack Mender – **EUCO QWIKSTITCH**
- Underwater Repair – **SPEED CRETE BLUE LINE, AQUASEAL LV and GEL**

WATERPROOFING COATINGS

- Crystalline Waterproofing – **VANDEX SUPER, VANDEX PLUG, HEY'DI K-11**
- Cementitious Waterproofing – **VANDEX BB 75, TAMOSEAL, TAMMS SBC, CONCRETE FINISHER**

HIGH PERFORMANCE ADMIXTURES

- Waterproofing – **VANDEX AM-10**
- High Range Water Reducers – **EUCON 37, PLASTOL 5000, 6400, 6420**
- Microsilica – **EUCON MSA**
- Rheology Modifiers – **EUCON AWA, VISCTROL**
- Shrinkage Compensating – **CONEX**

EXTERIOR WALL TREATMENTS

- Protective and Decorative Coatings – **TAMMSCOAT, TAMMOLASTIC**
- Penetrating Water Repellent Sealers – **BARACADE SILANE 40, BARACADE WB 244, CHEMSTOP WB**

JOINT SOLUTIONS

- Elastomeric Sealants – **EUCOLASTIC 1NS/1SL**

GROUTING

- Cementitious Grouts – **NS GROUT, NC GROUT, HI-FLOW GROUT**
- Epoxy Grouts – **E³-FLOWABLE, E³-DEEP POUR, E³-XTREME**
- Underwater Grout – **EUCO TREMIE GROUT**

B109 Waterproofing Solutions © 2023 The Euclid Chemical Company. This material is provided for informational purposes only. The Euclid Chemical Company expressly disclaims any liability relating to the use of this material. Nothing stated herein shall give rise to or constitute any warranty by The Euclid Chemical Company, express or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose. The information provided in this material is not intended to be all inclusive, as the manner in which any product is used or handled may involve other or additional considerations that are not addressed herein.

EUCLID CHEMICAL

19215 Redwood Road
Cleveland, OH 44110
t 800-321-7628
f 216-481-7072