

VOLTEX[®]

WATERPROOFING MEMBRANES

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CETCO[®]

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ABOUT US

OUR COMPANY

WHO IS CETCO?

Minerals Technologies Inc. (MTI) is a global leader in the development and production of a diverse range of mineral-based products. CETCO is the construction and environmental technologies business unit of MTI and a leader in transforming clay minerals into sophisticated products for remediation/waste treatment, lining systems, waterproofing, and subsurface drilling.

CETCO offers solutions for commercial, industrial, and infrastructure construction challenges worldwide. We provide expertise

in transforming minerals and polymers into technologies that improve productivity and performance. From technical problem-solving to third party inspection services, CETCO consults with customers to develop long-term solutions.

Our international team of scientists and engineers provide products and services that exceed industry standards, benefit customers worldwide, and offer innovative alternatives to traditional options.



PROTECTING YOUR BUILDING

Why is Below-Grade Waterproofing so Important?

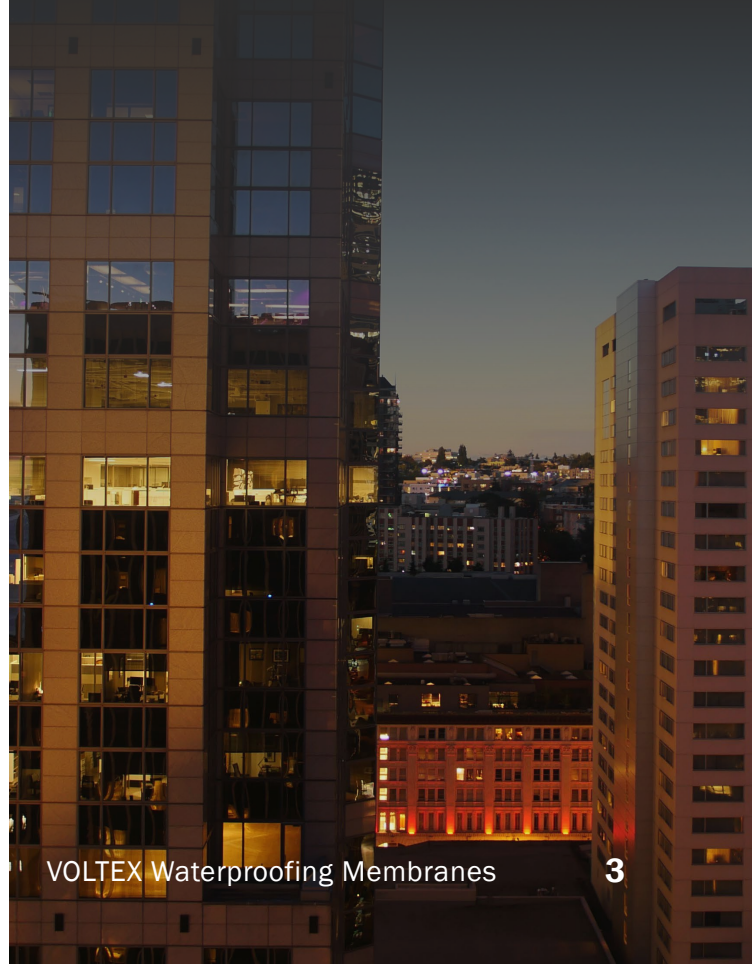
Nothing threatens the structural integrity and interior environmental quality of a building like water ingress. That's why waterproofing is crucial. Whether hydrostatic or non-hydrostatic, providing waterproofing protection for any cast-in-place, below-grade concrete construction is critical to the successful protection of your structure.

What is a Vapor Intrusion Mitigation Solution?

When chemicals and contaminants are present in the soil or groundwater near a structure, harmful vapors can migrate out of the ground and into the above building. These vapors adversely impact indoor air quality and can cause significant harm to the occupants. A seamless vapor intrusion mitigation system is the best method to prevent these hazards from occurring.



**Protect your assets and
guests by establishing a
watertight building with
cleaner air quality.**



VOLTEX® WATERPROOFING & VAPOR BARRIERS

Rely on CETCO to protect your structure from water ingress. Our full line of VOLTEX waterproofing and vapor intrusion products has proven itself an exceptional waterproofing and contaminant membrane. Couple its performance with the easy installation, and its no surprise why VOLTEX waterproofing membrane composites are the first-choice water barrier across the globe. In both hydrostatic and non-hydrostatic conditions, VOLTEX waterproofing membrane composite outperforms other solutions for precast concrete construction by expanding its bentonite core as it absorbs water to seal any small concrete cracks caused by ground settlement or concrete shrinkage.

VOLTEX® Waterproofing Barrier Applications

Lighter and more impervious than traditional waterproofing products, VOLTEX waterproofing membrane composite combines sodium bentonite layered within a durable geomembrane to provide waterproofing protection for any cast-in-place, below-grade concrete construction, such as:

- » **Structural Slabs**
- » **Property Line Walls**
- » **Backfilled Walls**
- » **Cut-and-Cover Tunnels**
- » **Earth-Covered Structures**

VOLTEX®

PRODUCT RANGE

VOLTEX®

When you need a proven waterproofing membrane for both vertical and horizontal foundation surfaces protected from water ingress, choose VOLTEX® waterproofing membrane composite.

VOLTEX® waterproofing membrane composite has a Bentonite active core membrane. By incorporating the high-swelling and self-sealing properties of sodium bentonite to form a monolithic, low permeable membrane to protect the structure, you can rely on a product that performs every time. VOLTEX® waterproofing membrane composite contains zero VOCs and can be installed on green concrete in almost any weather condition.

PRODUCT BENEFITS

- » **PROVEN HISTORY OF SUCCESS ON BOTH NEW AND REMEDIAL WATER PROOFING PROJECTS WORLDWIDE**
- » **SELF-SEALING PROPERTIES**
- » **EFFECTIVE UNDER CONTINUOUS OR EXTREME HYDRO-STATIC PRESSURE**
- » **SUPERIOR MECHANICAL BONDING TO CONCRETE**
- » **CAN BE INSTALLED IN ANY WEATHER CONDITION, INCLUDING FREEZING**



**BACKFILLED
WALL**



VOLTEX[®]

PRODUCT RANGE

VOLTEX[®] DS

Sometimes your project requires additional protection on your backfilled walls. This product is designed to provide additional low-water vapor permeability.

VOLTEX[®] DS waterproofing membrane composite is a standard bentonite composite membrane with a PE liner. By combining the proven waterproofing technology of VOLTEX[®] waterproofing membrane composite with an integrally bonded polyethylene liner, VOLTEX[®] DS waterproofing membrane composite is designed for projects that require additional protection on your backfilled walls.

PRODUCT BENEFITS

- » **STANDARD BENTONITE WITH PE COMPOSITE MEMBRANE**
- » **SELF-SEALING PROPERTIES**
- » **EFFECTIVE IN STRUCTURES UNDER CONTINUOUS OR INTERMITTENT HYDROSTATIC PRESSURE**
- » **OVERLAPS CAN BE TAPED**
- » **CAN BE INSTALLED IN ANY WEATHER CONDITION, INCLUDING FREEZING**



**UNDERSLAB &
BACKFILLED WALL**

VOLTEX[®]

PRODUCT RANGE

VOLTEX[®] CR

Contaminated groundwater conditions can be difficult to work around. If your project has elevated levels of nitrates, phosphates, chlorides, sulfates, lime, saline conditions and organic solvents, then VOLTEX[®] CR waterproofing membrane composite might be right for you.

VOLTEX[®] CR waterproofing membrane composite includes all of the advanced waterproofing capabilities of VOLTEX[®] waterproofing membrane composite plus a polymer-treated sodium bentonite layer for exceptional performance in saline or contaminated groundwater conditions.

PRODUCT BENEFITS

- » **CHEMICALLY RESISTANT BENTONITE**
- » **SELF-SEALING PROPERTIES**
- » **EFFECTIVE IN STRUCTURES UNDER CONTINUOUS OR INTERMITTENT HYDROSTATIC PRESSURE**
- » **SUPERIOR MECHANICAL BONDING TO CONCRETE**
- » **CAN BE INSTALLED IN ANY WEATHER CONDITION, INCLUDING FREEZING**



**UNDERSLAB
APPLICATION**



VOLTEX®

PRODUCT RANGE

VOLTEX® DSCR

When you need additional protection against higher levels of contamination by nitrates, phosphates, chlorides, sulfates, lime, saline and organic solvents, VOLTEX® DSCR waterproofing membrane composite is a premiere solution for your project.

VOLTEX® DSCR waterproofing membrane composite combines the advanced waterproofing and low permeabilities for water vapor transmission of VOLTEX® DS waterproofing membrane composite with the saline and contamination protection of VOLTEX® CR waterproofing membrane composite.

PRODUCT BENEFITS

- » **SUPERIOR CHEMICALLY RESISTANT BENTONITE & PE COMPOSITE MEMBRANE**
- » **SELF-SEALING PROPERTIES**
- » **EFFECTIVE UNDER CONTINUOUS OR EXTREME HYDROSTATIC PRESSURE**
- » **SUPERIOR MECHANICAL BONDING TO CONCRETE**
- » **CAN BE INSTALLED IN ANY WEATHER CONDITION, INCLUDING FREEZING**



**BACKFILLED
RETAINING WALL**

VOLTEX®

PRODUCT RANGE

VOLTEX® GB-500

Some projects require gas vapor and waterproofing barriers. These barriers are aimed at resisting the ingress of radon, methane, carbon dioxide gases and water into buildings from landfills and naturally occurring sources.

VOLTEX® GB-500 waterproofing membrane composite is a membrane composite comprised of a 500 micron thick, 7 layer engineered film consisting of polyethylene and a EVOH barrier layer with integrated bentonite geotextile waterproofing tanking membrane.

PRODUCT BENEFITS

- » **CHEMICALLY RESISTANT**
- » **EXTREMELY LOW RADON COEFFICIENT VALUE EFFECTIVE IN STRUCTURES UNDER CONTINUOUS OR INTERMITTENT HYDROSTATIC PRESSURE**
- » **SUPERIOR MECHANICAL BONDING TO CONCRETE**
- » **CAN BE INSTALLED IN ANY WEATHER CONDITION, INCLUDING FREEZING**



**WATERPROOFING &
VAPOR BARRIER**



CETCO EUROPE Ltd
Birkenhead Road
Wallasey CH44 7BU, UK
cetco@mineralstech.com
+44 (0)151 606 5900 / 5211

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