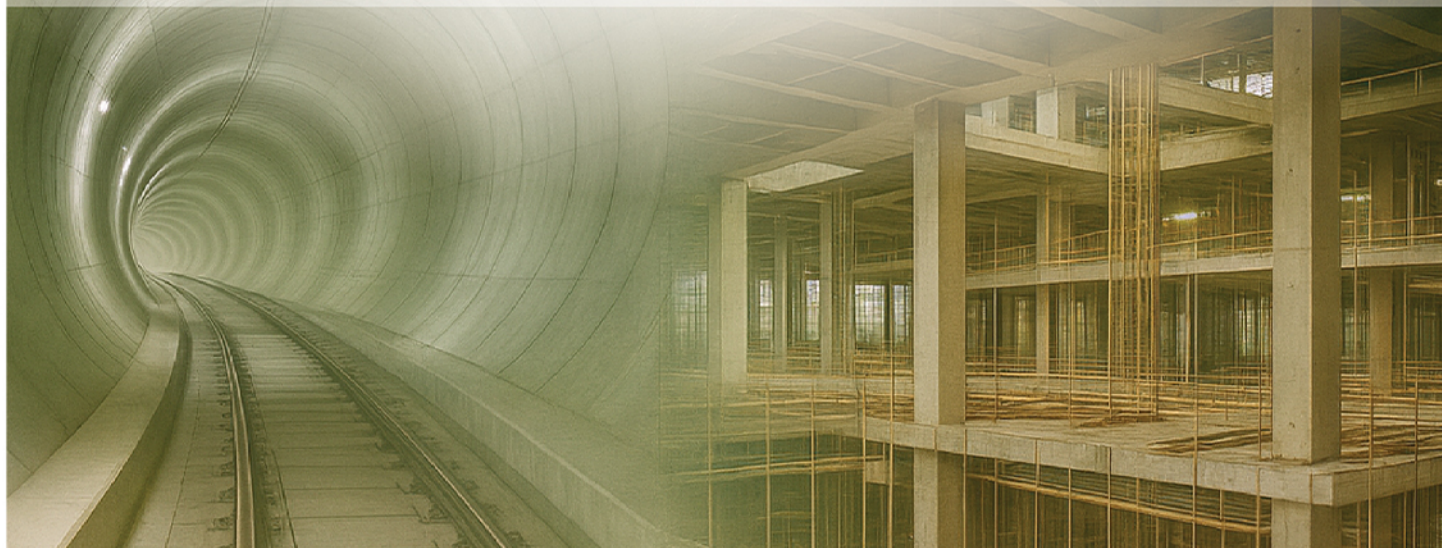


CORMIX[®]
One step ahead



**THE FIRST IN LIQUID INTEGRAL
CRYSTALLINE WATERPROOFING TECHNOLOGY**



CORMIX IS LEADING THE WAY WITH LIQUID CRYSTALLINE WATERPROOFING TECHNOLOGY

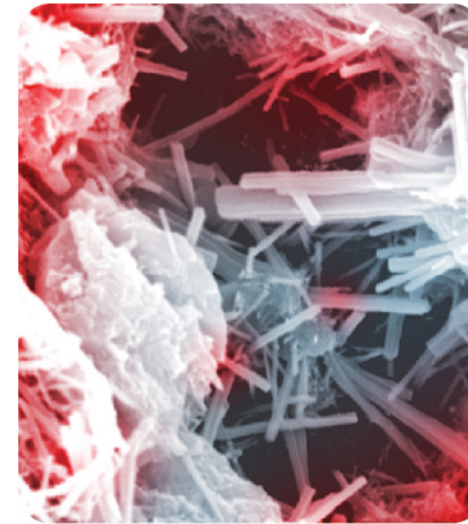


THE LEADER ONE STEP AHEAD

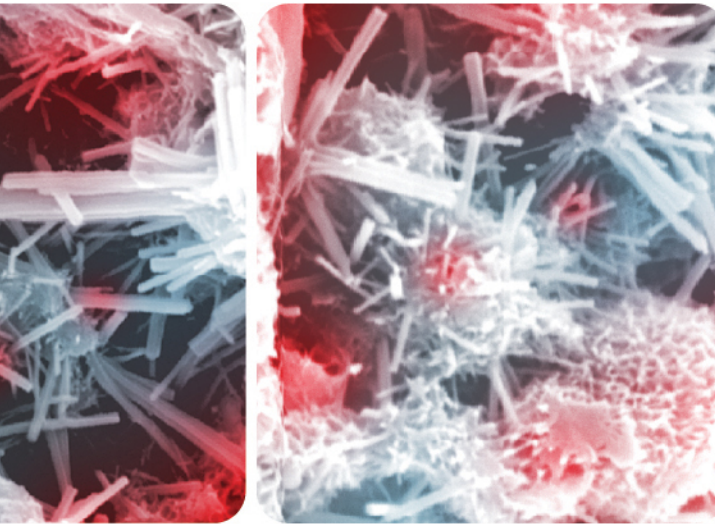
Cormix is the first Company to develop liquid crystalline waterproofing admixtures. Cormix is developing ever more sustainable and ecological friendly materials providing clever easy to use waterproofing solutions for a multitude of conditions meeting the needs of today and the future.

It leads the way in crystalline waterproofing technology developments taking advantage of its position as a Construction Chemicals manufacturer it has taken know how from other areas of its business and added value to crystalline waterproofing products offering 2 and 3 in one systems. Cormix has combined hydrophobic, corrosion inhibitor, water retaining, antifreeze and other nano technologies with its range of crystalline waterproofers to develop a unique product range. These are supported with accessories, swelling water-stops, re injectable hoses, sealing strips and other materials for the repair of failed basement waterproofing systems such as injection gels and resins, water cut off & soil stabilization grouts, crystalline repair mortars and negative side waterproofing systems.

HOW CORMIX CRYSTALLINE WATERPROOFING WORKS



Untreated concrete.



Crystal growth.



Fully developed Crystal growth.

No crystal forming waterproofers present. Untreated concrete. Open pore structure.

Crystal growth in concrete after application of crystal forming waterproofers.

Fully developed crystal growth at 28 days within the capillary tracts of concrete to block flow of water

Concrete is a porous material containing pores, capillaries, micro and macro cracks. Water is able to penetrate the concrete damaging the cement paste and reinforcement. The durability and the life span may be severely compromised. Cormix crystalline waterproofers are formulated to react with unhydrated cement particles, calcium hydroxide and other byproducts of cement hydration to create insoluble crystals that prevent water penetration lowering the concrete's porosity whilst allowing it to breathe.

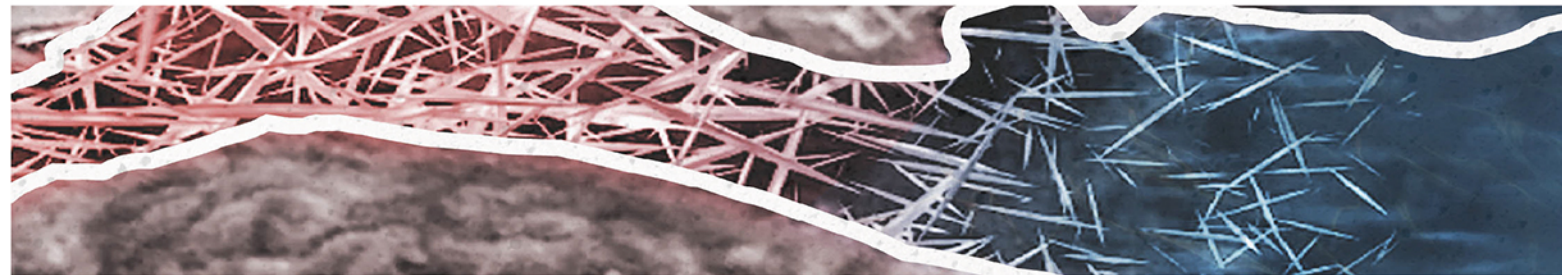
Cormix surface applied materials move through the capillaries and cracks via osmosis and Brownian movement whilst the admixtures when mixed throughout the concrete create totally watertight concrete. Should water reenter the concrete dormant chemicals reactivate to seal the concrete, this catalytic reaction goes on throughout the life of the concrete.

ADVANTAGES OF CORMIX WATERPROOFING BY CRYSTALLIZATION

Cormix surface applied crystalline waterproofers unlike surface applied membranes become an integral part of the concrete preventing water ingress into the concrete structure.

Advantages include:

- Permanent, it lasts the life of the structure.
- Penetrates deep into the concrete sealing cracks and capillaries up to 0.5 mm.
- Improves the chemical resistance of cement paste as well as waterproofing.
- Reactivates through life of structure.
- Cannot be damaged by backfilling.
- Economical no protection boards required and speeds up construction.
- Lower cost than liquid applied waterproofers and sheet membranes.
- Can apply to negative or positive side.
- Non toxic suitable for contact with drinking water.
- Eco friendly and sustainable adding to the value of structures.
- In application unaffected by moisture.
- No seams, joints, overlaps to worry about.
- More than a waterproofer enhances the concretes durability and resistance to carbonation, sulphates, chlorides and salt water.
- Multiple versions : mix in the concrete, apply to dry concrete as a liquid and wet as a slurry, dry shake below slabs or shake on to slabs surface and power trowel in.



ADDITIONAL ADVANTAGES OF CONCRETE ADMIXTURES

- Mixed throughout the whole concrete provides total protection
- Speeds up construction, no additional waterproofing trades required on site
- Reduction in packaging and waste
- Easy to dose in liquid form through existing admixture equipment (powder available too).
- Available with corrosion inhibitor incorporated to protect reinforcement.
- Cormix takes advantage of its construction chemicals knowhow to provide a range of crystalline waterproofers incorporating other technologies with due regard for the environment using environmentally friendly know how.
- Corrosion inhibitors incorporated in **CORMIX H₂O STOP+CI** provide double protection to cement paste and reinforcement.
- Cormix crystalline waterproofing is used to provide life time solutions with permanent waterproofing even under high hydrostatic pressure whilst giving other benefits of reducing the potential for chemical attack to cement paste.

HOW CORMIX PRODUCTS ARE DIFFERENTIATED FROM THE REST

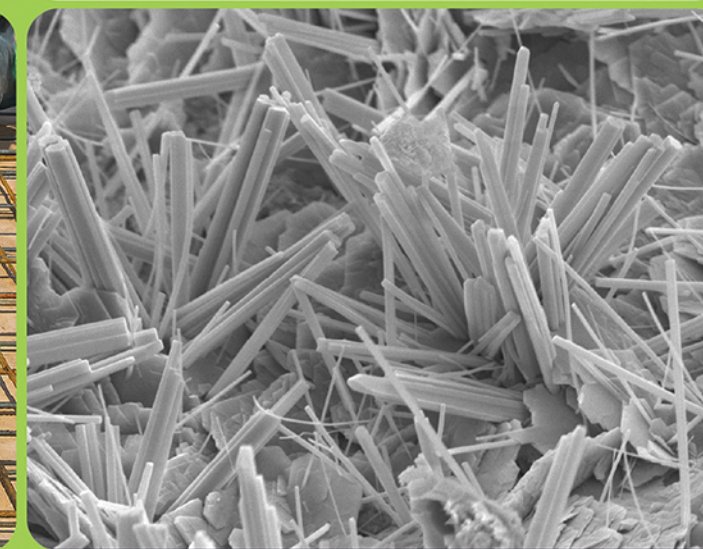
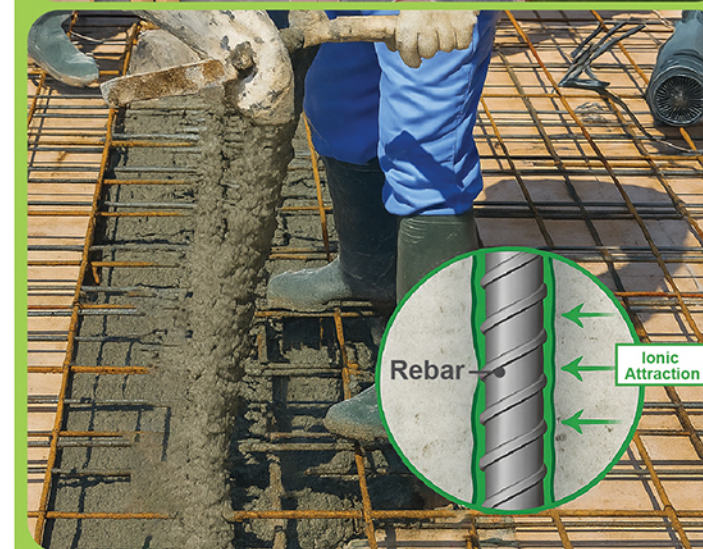
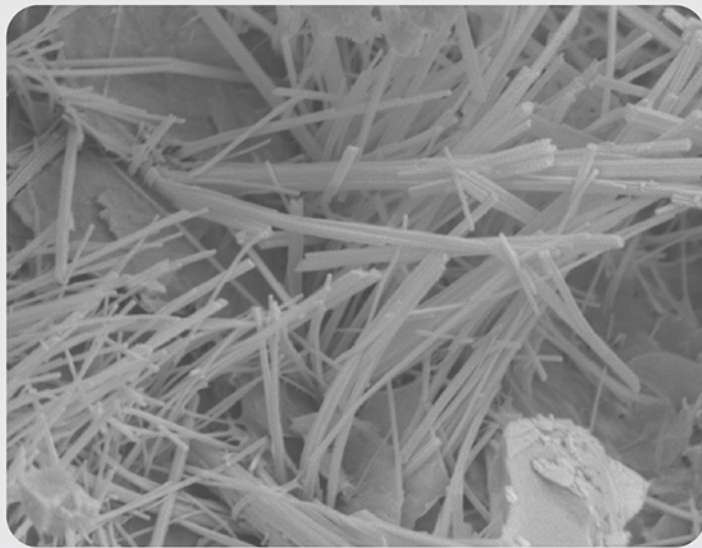
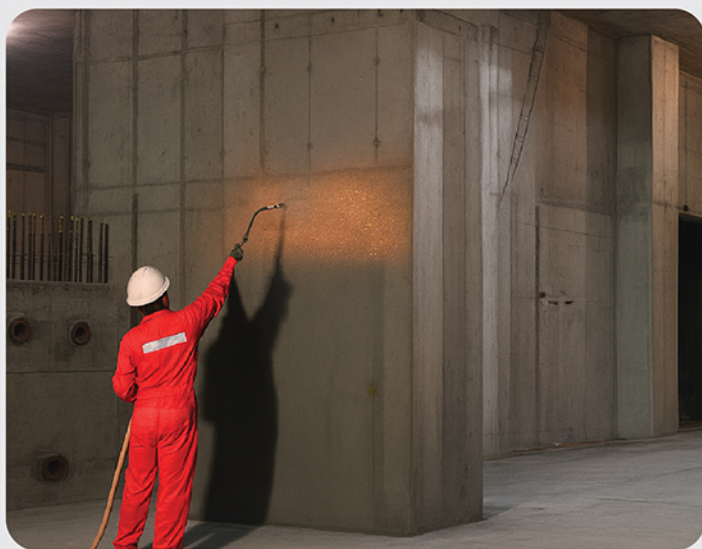
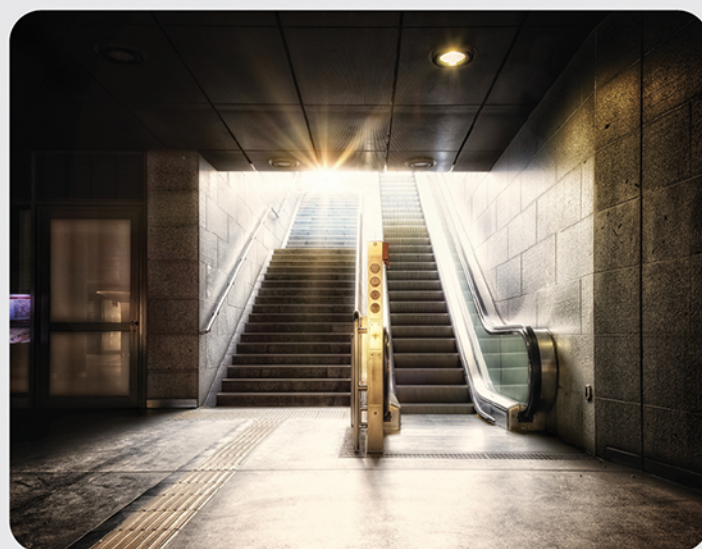


Cormix takes advantage of its construction chemicals knowhow to provide a range of crystalline waterproofers incorporating other technologies with due regard for the environment using environmentally friendly know how.

CONTITE[®] CFM

Only from Cormix a Unique Dual Function Spray On Membrane and Integral Subsurface Crystalline Waterproofing

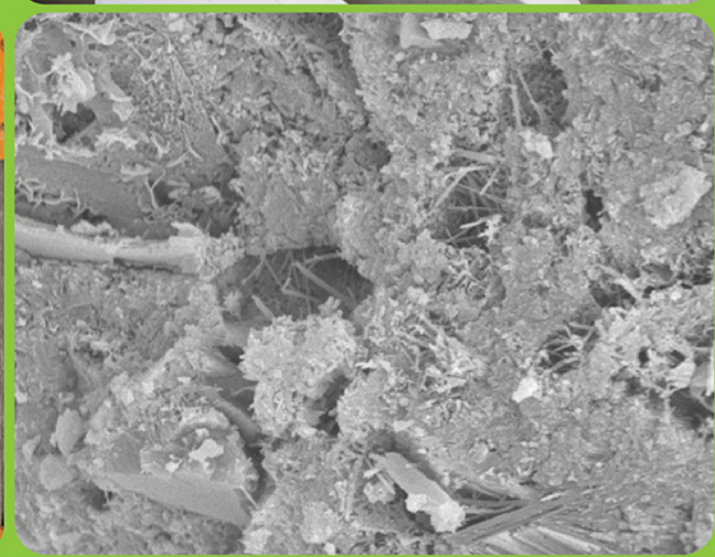
- Unique dual function flexible membrane and Crystalline waterproofing product.
- Forms a flexible surface membrane.
- Forms an integral sub surface membrane.
- Crack bridging and crack sealing.
- Non toxic.
- Permanent.
- Apply to damp surfaces.
- No protection required.
- Low consumption rates.



CORMIX[®] H₂O STOP +CI

Liquid Concrete Admixture

- **Unique dual protection** : Full depth waterproofing with total rebar protection by corrosion inhibitor.
- **Liquid easy dosing and dispersion** : No premixing, direct dosing through existing dispensers, saves time, good dispersion with no clumping.
- **Corrosion Inhibitor admixture** : The life span of the structure is extended, more sustainable, less maintenance, no additional cost of adding corrosion inhibitor in mix.
- **Low dosage** : Significant cost savings compared to other systems whilst providing secondary corrosion protection to rebar.
- **Permanent Life time Guarantee** : Sustainable construction, Concrete durability is extended, limited maintenance, lasts the life of the structure, no future old waterproofing disposal / pollution issues, green construction.
- **Non toxic** : no toxic chemicals released to the environment either in production or application, user friendly with no health hazards.



CONPATCH[®] FMM

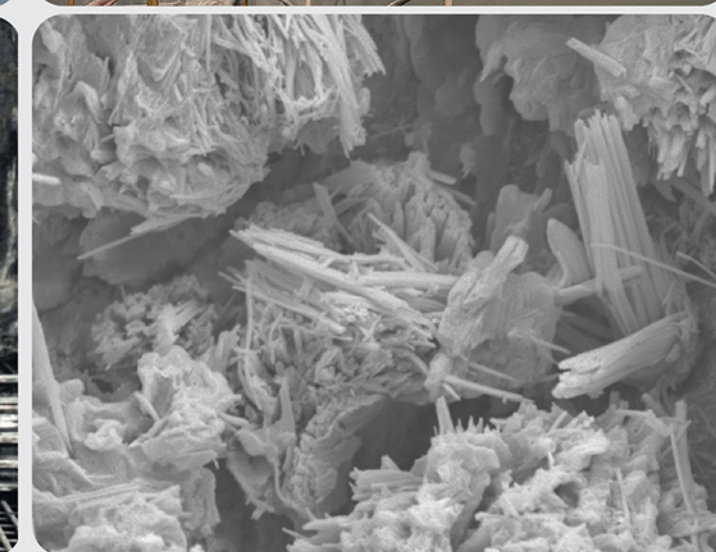
Concrete Repair Mortar with Crystalline Waterproofing Properties

- Protection against chlorides and sulphates in sea and ground water.
- Water tight and crack sealing.
- Non toxic, environmentally friendly.
- Easy to mix and apply by spray, pump or hand.
- Fibre reinforced reducing micro cracks increasing tensile and impact strength.
- Contains silica fume, primary and secondary shrinkage compensators.
- High strength.
- Similar properties to host concrete.
- Waterproofs the surrounding substrate to the repair.
- Complies with BSEN1504-3 Class R4.

CONTITE[®] SEAL ACCI

Only from Cormix a Unique Spray Applied Slurry

- **Unique dual Protection** : Primary waterproofing of the concrete with secondary migrating corrosion inhibitor protection to reinforcement.
- **No water curing** : Self curing so no need to cure with water for two days saves time, cost, mess and waste of water unlike other similar products.
- **Contains Migrating corrosion inhibitor** : A unique migrating corrosion inhibitor protects the reinforcement extending the life of structure.
- **Non toxic** : no toxic chemicals released to the environment either in production or application, user friendly with no health hazards.
- **Permanent** : No ongoing maintenance, or future disposal problems of old waterproofing, sustainable and lasts life of the structure.



CORMIX WATERPROOFING BY CRYSTALLIZATION RANGE

CONCRETE ADMIXTURES

CORMIX H2OSTOP : A liquid form high grade easy to handle integral waterproofing admixture for both waterproofing and concrete corrosion protection using unique nanotechnology to chemically modify cement matrix by reacting with the cement paste to reduce pore & capillary size. Life long waterproofing.

CORMIX H2OSTOP + CI : A liquid form 2 in 1 unique crystalline waterproofing concrete admixture. Incorporating a corrosion inhibitor it provides full depth permanent reactive waterproofing and corrosion protection to cement paste and reinforcement. This technology gives lifelong protection and takes advantage of Cormix corrosion inhibitor technology.

BRUSH OR SPRAY APPLIED SLURRY

CONTITE SEAL : The original crystalline waterproofing slurry from Cormix with a long track record, it is an economical solution to permanent surface waterproofing requiring curing.

CONTITE SEAL AC : A unique surface applied crystalline permanent waterproofing slurry that penetrates the concrete to form a subsurface waterproof membrane requiring no curing.

CONTITE SEAL ACCI : An air cure surface applied crystalline waterproofer incorporating a migrating corrosion inhibitor for steel reinforcement protection.

A UNIQUE SPRAY APPLIED FLEXIBLE SURFACE MEMBRANE & INTEGRAL WATERPROOFER

CONTITE CFM : A flexible surface membrane incorporating crystalline waterproofing which gives a subsurface membrane, both crack bridging & sealing.

LIQUID SPRAY APPLIED SUBSURFACE MEMBRANE

CONTITE : A liquid water based spray applied one application permanent subsurface waterproofing solution. Particularly effective for waterproofing of exposed or old surfaces. Particularly effective for waterproofing of exposed dry surfaces. It penetrates deep into the concrete, crack sealing and remains active for the life of the structure.

CONTITE HHH : Based on Cormix water repellent and crystalline waterproofing technology. Contite HHH is a unique water based one application spray applied subsurface permanent reactive waterproofing system. It provides protection against water borne salts and chemicals and other deleterious materials. Especially, useful

WATERSTOP

CONTITE WATERSTOP AND WATERSTOP S : A hydrophilic (swelling) waterstop strip used in conjunction with Cormix Crystalline waterproofing to seal construction joints and penetrations through concrete, a salt water version is available together with a range of sizes complementing the crystalline waterproofing system range. Contite Waterstops will give total waterproofing solutions in basements, water retaining structures and other below grade structures.

REPAIR

CONTITE SEAL MORTAR : A crystalline waterproofing repair and sealing mortar. Used in conjunction with Cormix crystalline waterproofing and standard repair systems to repair honeycombs, leaking joints, tie holes and other minor imperfections.

CONPATCH FMM : A specially formulated flowable marine mortar, based on crystalline waterproofing chemistry containing fibres, silica fume, primary and secondary shrinkage compensators which is used to form a dense waterproof high strength corrosion resistant repair mortar for marine environments.



TYPICAL AREAS OF APPLICATION



Basements



Underground Structures



Water Tanks



Bridges



Waste Water Treatment Plants



Tunnels



Pools

Cormix products have been used in a multitude of projects worldwide including :

- Waste water treatment plants
- Subways
- Airports
- Tunnels
- Basements, foundations and lift pits
- Bridges
- Reservoirs
- And many others requiring waterproofing and concrete protection



Airports



■ Waste water treatment plants



■ Basements



Bridges



■ Potable Water Treatment Plant

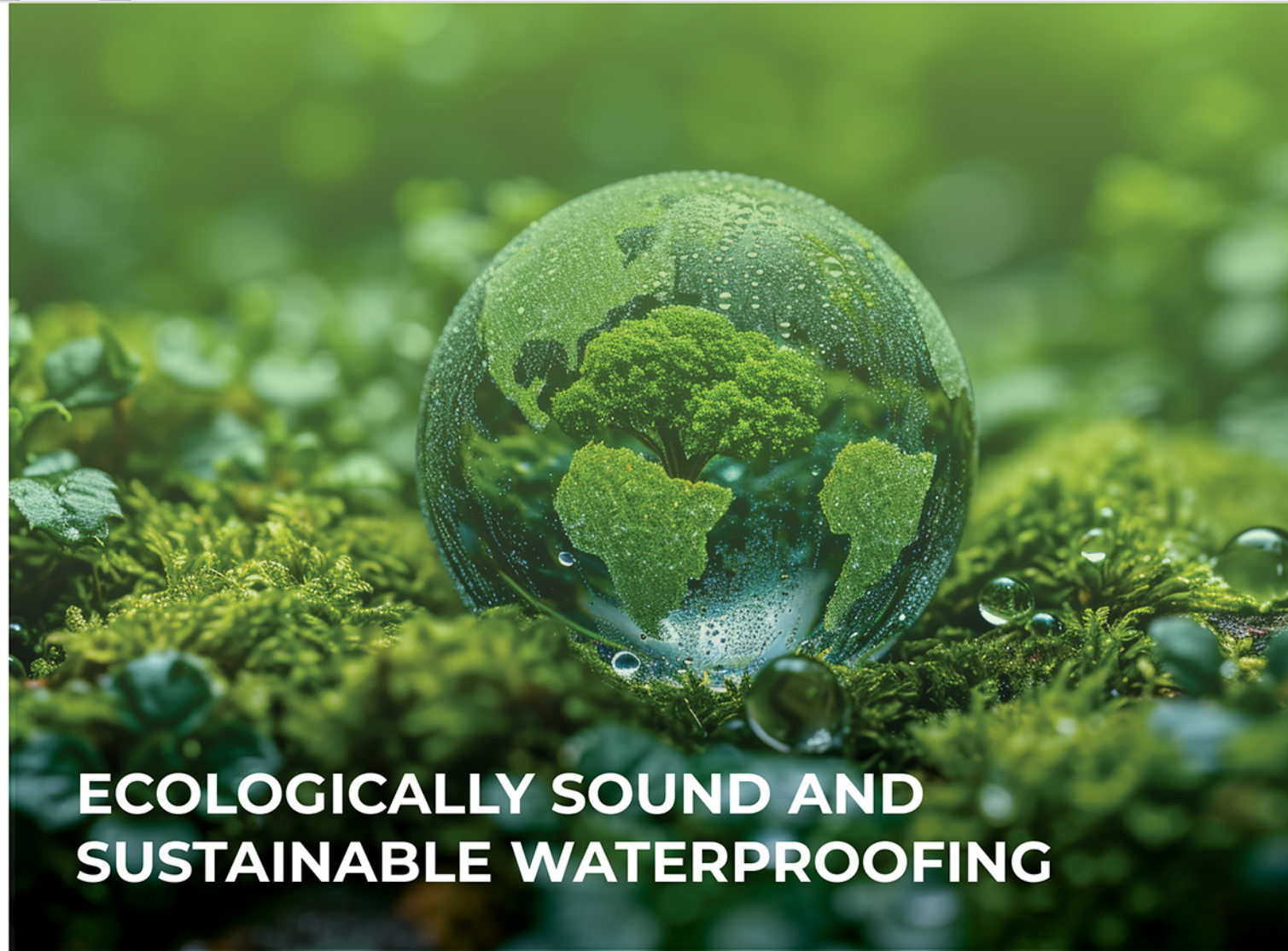


■ Tunnels

COMMITMENT TO QUALITY AND SUSTAINABILITY

Cormix products are manufactured under rigorous QA & QC systems at our site in Thailand. The facilities are ISO 9001:2015, ISO 14001:2015 management systems certified, with Green Industry credentials. Our products are manufactured to comply with international standards including ASTM, BS, EN, JIS and others. All products are supported by a manufacturer's warranty.





ECOLOGICALLY SOUND AND SUSTAINABLE WATERPROOFING

Eco friendly and providing long term sustainability Cormix Crystalline waterproofing technology is backed up by laboratories and technical support that has led to it being established in underground construction and waterproofing in various markets around the world. Environmental protection is a priority and an integral part of Cormix Crystalline waterproofing developments. Cormix provides sound solutions which are permanent and therefore sustainable. Cormix products, packaging and partners must conform with environmental regulations.

Why chose Cormix as your partner in creating an eco sustainable building?

- Permanent system that's remains part of the structure.
- No VOCs, hazard free products.
- No degradation polluting the environment.
- No disposal issues.
- Reduction in water usage in concrete mixes.
- Decreased cement consumption and therefore energy use.
- No maintenance costs, self healing properties and react throughout the life of the concrete.
- Dry damp free buildings reduces energy usage.
- Recyclable as part of the concrete.
- Improved durability means longer life for structures.
- Air cure options no wastage of curing water.
- These improvements all add value to the building or utility, in addition Cormix Crystalline products contribute toward LEED points.

CORMIX CRYSTALLINE PRODUCTS CONTRIBUTE TO LEED POINTS FOR EXAMPLE

- Decrease in heat island effect.
- Reduction in site disturbance via adding to concrete.
- Water conservation.
- Building life cycle and span increased.
- Recyclable concrete.
- No packaging waste associated with other systems.
- No VOCs.
- Removes design constraints in using waterproof membranes.





www.cormix.com

CONTACT OUR TEAM



+66 2 9173955-8
Line: @CORMIX
WhatsApp: +66 99703 7159



www.cormix.com
E-mail ; info@cormix.com



89 Romklao Road, Minburi,
Bangkok 10510 Thailand