

KRYSTOL INTERNAL MEMBRANE™ (KIM®)

Krystol Internal Membrane (KIM) is a hydrophilic crystalline admixture used to create permanently waterproof concrete.

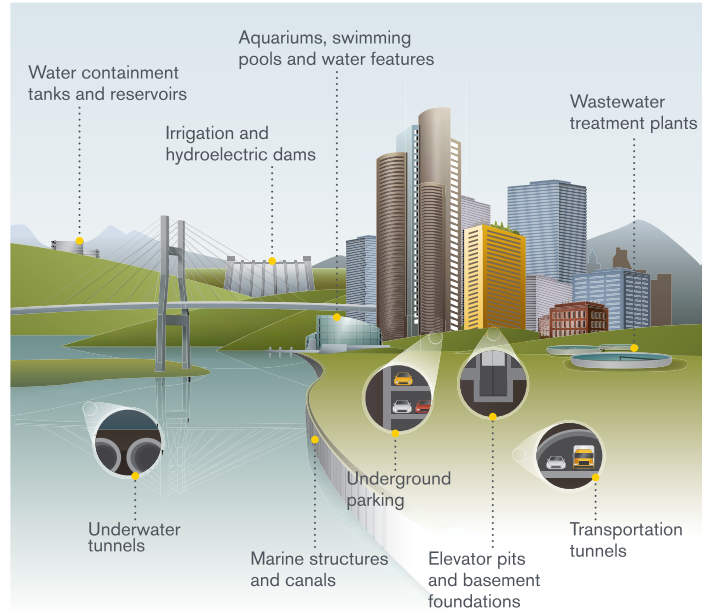
KIM lowers the permeability of concrete. By stopping the transmission of water through concrete, KIM adds durability and longevity to concrete by protecting it against chemical attack and corrosion of reinforcing steel. KIM can be used in place of surface applied waterproofing membranes.

- **Waterproofs concrete** – Lowers water penetration by reducing permeability of the concrete even under high hydrostatic pressure.
- **Self-seals cracks** – Activates in the presence of moisture to seal micro-cracks that develop over the life-span of the structure.
- **Protects reinforcing steel** – Prevents the penetration of waterborne contaminants and chloride-laden water that causes the corrosion of reinforcing steel.
- **Reduces shrinkage and cracking** – During the plastic and curing stages, increasing quality and longevity of concrete.
- **Environmentally-friendly** – Contributes to achieving valuable LEED points for your building, safe for potable water and non-toxic.



A WORLD OF APPLICATIONS

KIM is recommended for all concrete that will be exposed to moisture or subject to water pressure and can be used in cast-in-place, pre-cast and shotcrete applications.



KIM VS TRADITIONAL WATERPROOFING:

- Replaces the need for surface applied waterproofing membranes
- Cannot be punctured
- Shortens construction schedules
- Saves on labour cost
- Lowers maintenance and repair costs
- Improves reliability and quality control
- Allows for a larger building footprint

KIM VS COMPETITORS:

- Krystol technology is **chemically different** from its competitors. KIM reacts with un-hydrated cement instead of byproducts of cement which is mainly lime
- Only KIM is the **best performing** crystalline admixture
 - Highest level of **permeability reduction**
 - **Most dependable self-sealing** performance
 - Best **shrinkage cracking** reduction
 - Proven to **protect against corrosion**
- Only Kryton offers a **complete waterproofing system** that covers every construction detail
- Kryton is the inventor of the crystalline waterproofing admixture and we have **the most experience**
- Made in India with BIS certification

KIM IN THE FIELD

HERO MOTOCORP, HALOL, GUJARAT



Hero is one of India's leading motor manufacturing companies, while constructing their state of the art manufacturing facility in Halol, they used KIM in their below ground structure for a fully waterproof structure.

GUJARAT SADAN, NEW DELHI (NBCC PROJECT)



There was a need for this building to be completely waterproof as it stands tall in the middle of the heart of the capital. KIM was used in the slabs and retaining wall and joints were treated with Krytonite Swelling Waterstop.



The Bureau of Indian Standards (BIS)
Approved, Made in India

HOW IT WORKS

KIM contains Krystol® technology. When added to concrete, Krystol chemically reacts with water and un-hydrated cement particles to form insoluble needle-shaped crystals that fill capillary pores and micro-cracks in the concrete and block the pathways for water and waterborne contaminants. Any moisture introduced over the lifespan of the concrete will initiate crystallization, ensuring permanent waterproofing protection.



Visit
www.kryton.in
for profiles of projects

KRYTON CONSTRUCTION JOINTS SYSTEM

Using Kryton's proven integral crystalline waterproofing technology, the Krystol Construction Joints System forms an impenetrable, watertight seal at construction joints, pipe penetrations and tie-holes.



Krystol Waterstop Grout™

Krystol Waterstop Grout is a crystalline grout used for creating an internal or external waterstop at construction joints, pipe penetrations, tie-holes and control joints.



Krytonite™ Swelling Waterstop

Krytonite Swelling Waterstop is a synthetic rubber waterstop that uses swelling pressure to seal concrete construction joints.



Krystol Bari-Cote™ Krystol Bari-Cote is a fast-setting waterproof grout. Krystol Bari-Cote is used for repair of tie-holes and cracks.



Krystol Plug™ Krystol Plug is a powder that when mixed with water, can be used to immediately stop water flow through concrete cracks or active leakages.

OTHER KRYTON PRODUCTS INCLUDE:

- Krystol T1 & T2 (Surface-applied waterproofing)
- Krystol Broadcast
- Krystol Mortar Admixture (KMA)
- Roof-Gardi
- Hard-Cem



*Images are for representation purposes only. Actual packaging may differ.

Kryton Buildmat has its presence across the country and takes pride in being a pioneer in producing BIS certified crystalline waterproofing admixtures, thus meeting the preferred 'Make In India' standards.

To find a representative log on to www.kryton.in



SMART CONCRETE®

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KRYSTOL INTERNAL MEMBRANE™ (KIM®)

THE MOST TRUSTED
WATERPROOFING
ADMIXTURE



SMART CONCRETE®



Magnesia, Chandigarh