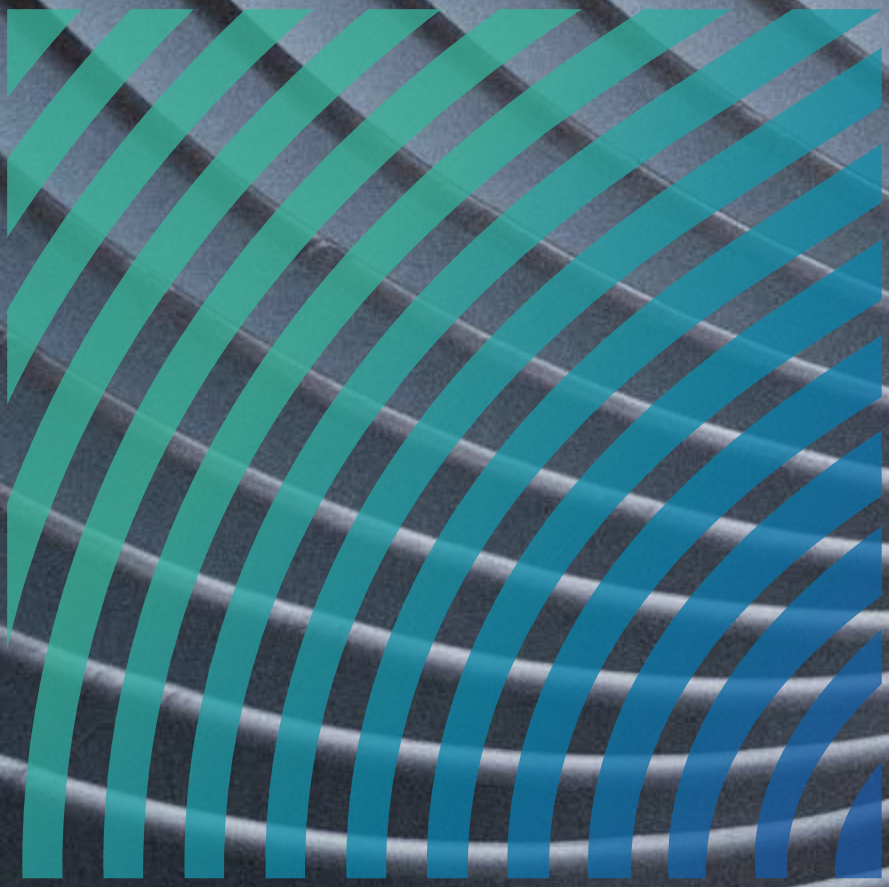
DRYKOS

CRYSTALLINE WATERPROOFING TECHNOLOGY



CATALOGUE

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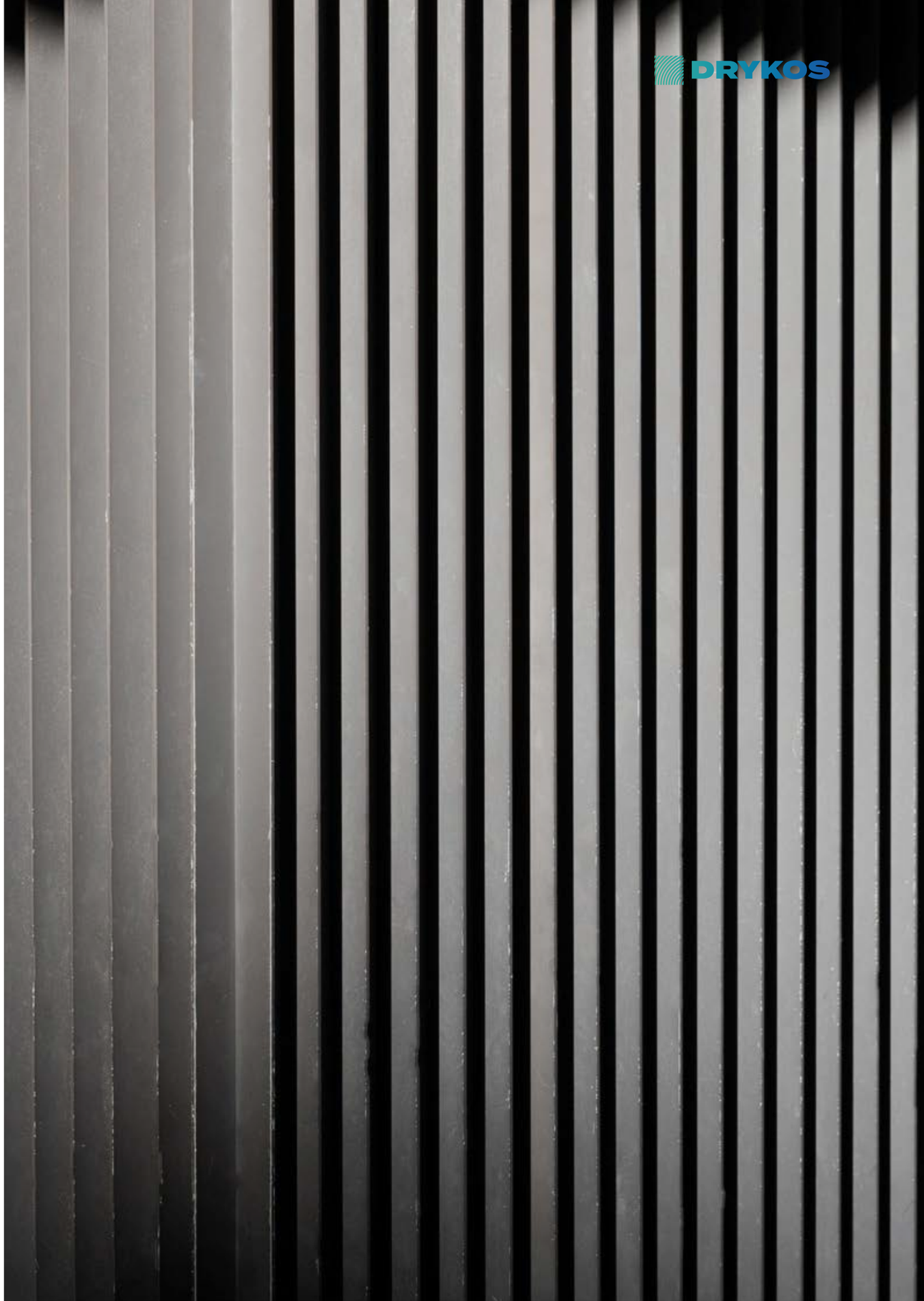
ABOUT US

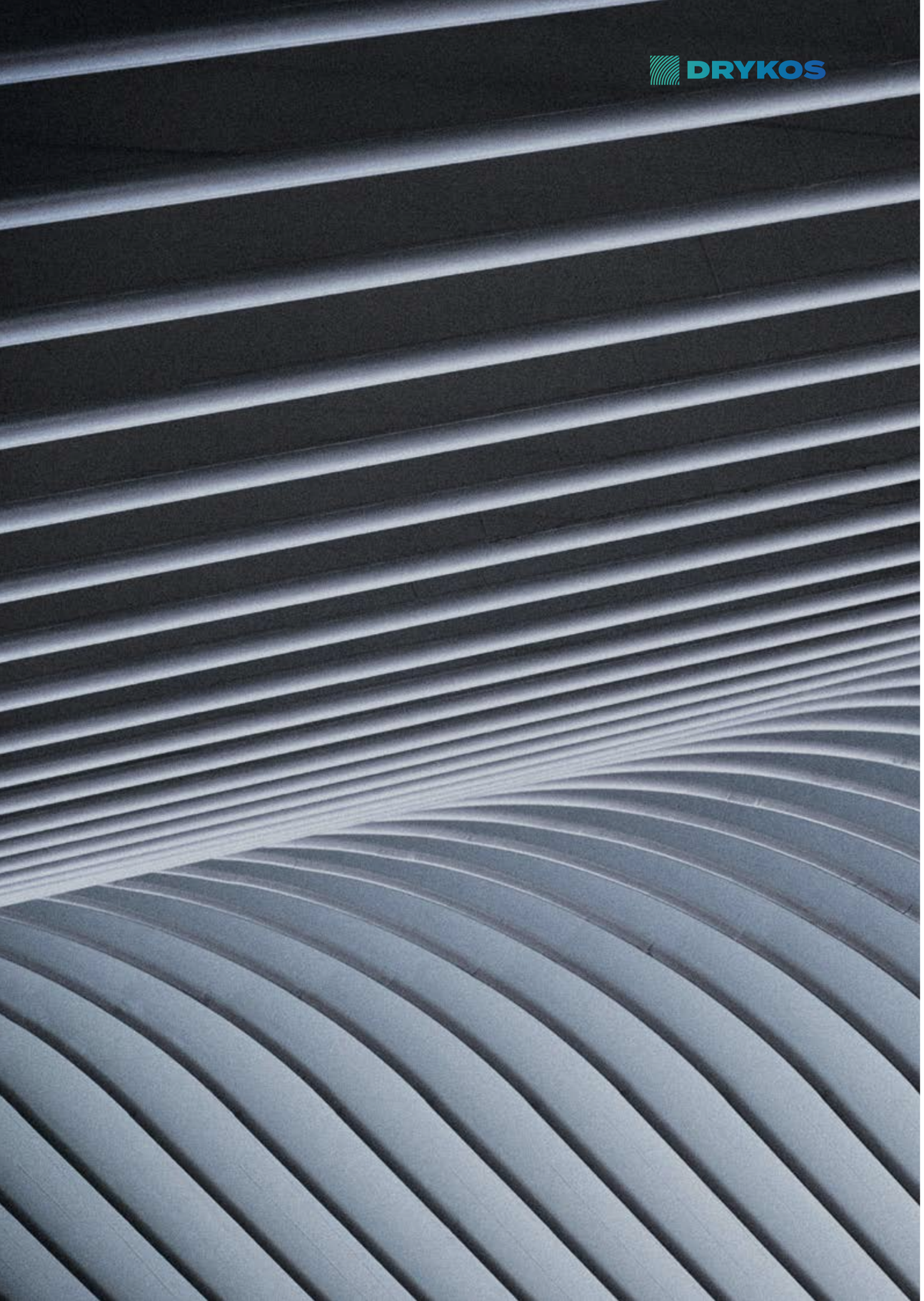
DRYKOS

ABOUT US

Drykos is the first Italian company to conduct research and development and to manufacture **eco-sustainable crystalline waterproofing products** and solutions for residential, industrial structures and infrastructures, integrating them into systems that confer durability and permanent protection against external chemical aggressions to concrete.

With over 10 years of experience in this field, Drykos provides **customized solutions** and support in the application of its products and systems. Drykos has solid Italian roots and an extensive international presence: Europe, Africa, the Middle East, and South America.





PRODUCTION AND QUALITY CONTROL

Drykos is the only company engaging in **research**, **development**, and **production** of crystalline waterproofing products and solutions in Italy. Its laboratory collaborates with prestigious institutions such as the “Politecnico” University of Turin, Istanbul Technical University (TUR), and Cambridge University (UK).

Special attention is given to quality control at the entry of raw materials, to processing, and consistency testing of finished products in accordance with ISO 9001:2015 standards. Products are CE certified by Bureau Veritas, ASTM certified, and some have obtained EPD certification, which help engineers and developers in obtaining LEED points. The use of Drykos crystalline technology enables constructions to be sustainable and aligned with the United Nations Sustainable Development Goals.

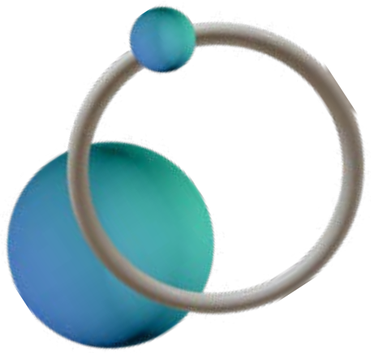
The company assists its clients in the design phase and provides products, installation, on-site technical support, and long-term insurance coverage.

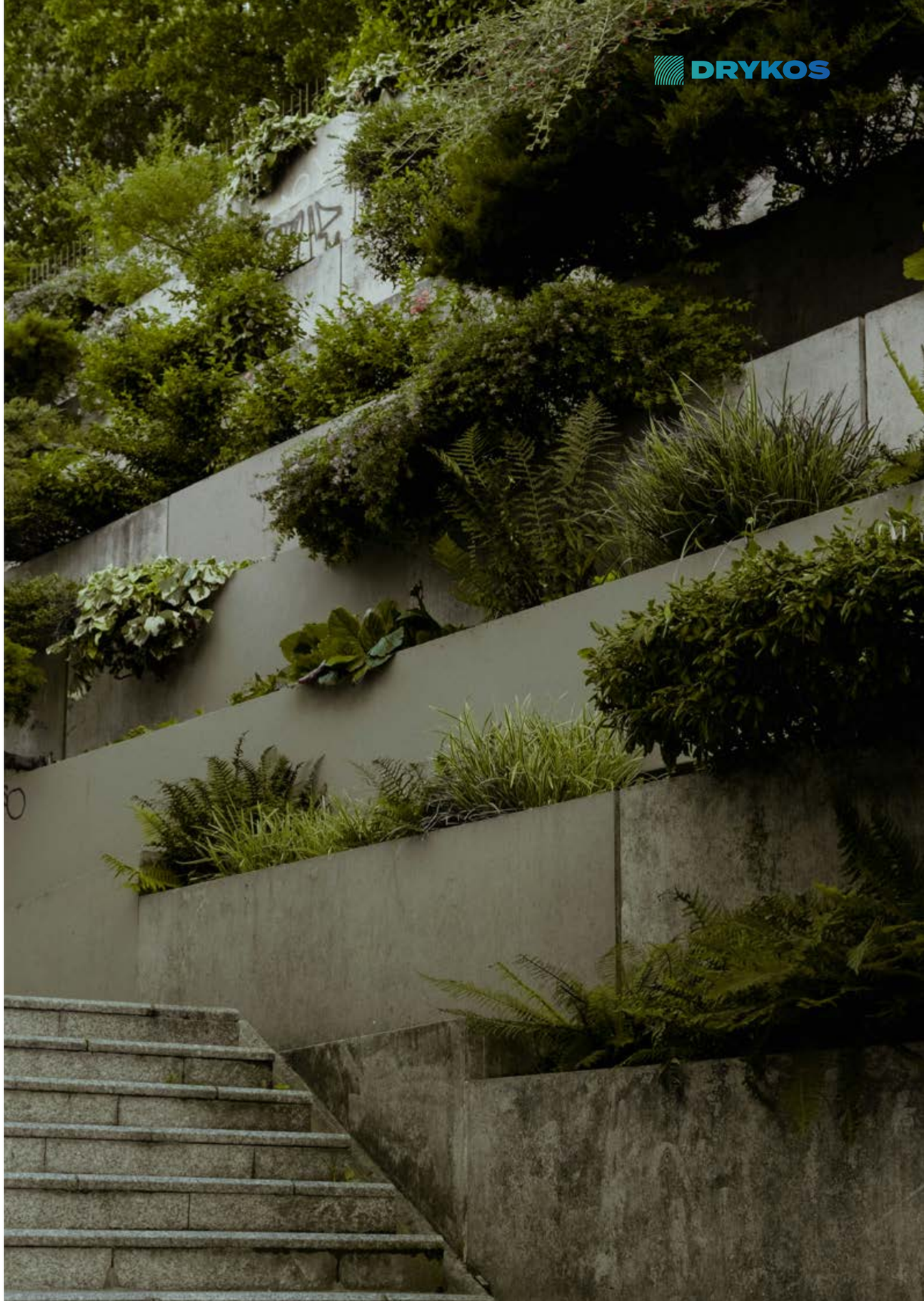
EFFICIENCY AND ECO-SUSTAINABILITY

Drykos's innovative crystalline waterproofing technology is an eco-friendly alternative to conventional waterproofing systems that use petroleum derivatives (bituminous and PVC membranes). Our technology stands out for its absence of VOCs and harmful substances (REACH compliant), as well as its self-healing properties and efficiently waterproofs the mass of concrete, extending the durability of structures.

Drykos products and systems' components are recyclable.

These features allow for sensitive reduction of maintenance interventions and costs, compliance with sustainable development principles (UN SDGs) and a significant reduction of CO2 emissions and ecological footprint in the construction sector.

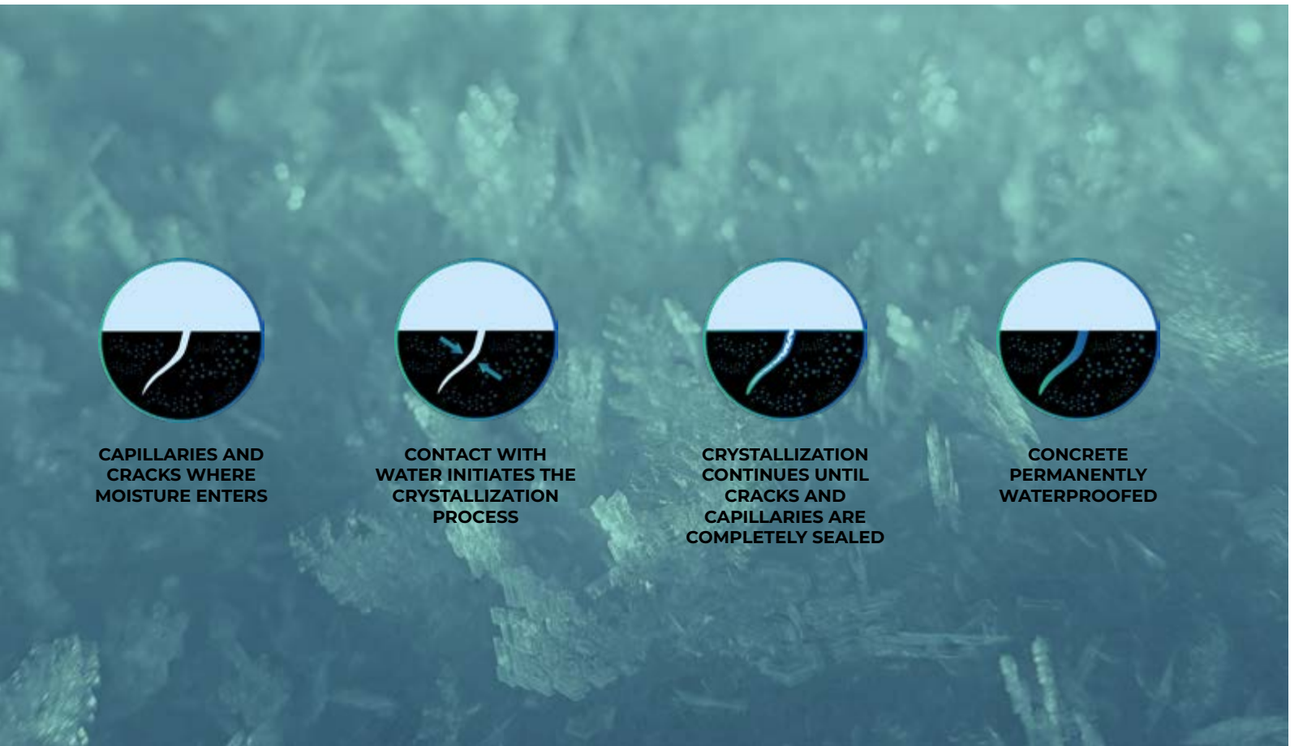




CRYSTALLINE TECHNOLOGY

The efficacy of Drykos crystalline technology lies in its reaction with moisture and by-products of cement hydration, resulting in the formation of an insoluble crystalline complex within the capillary porosity. This complex becomes an integral part of the cement matrix, acting as a formidable impermeable barrier that prevents the penetration of water and chemical agents from any direction.

The development of the crystalline formation can be reactivated over time in response to water or moisture infiltrations. It has the capacity to seal cracks up to 0.5 mm in width, exerting a **self-healing action** and mitigating the corrosion of reinforcements-a primary factor in concrete deterioration. This self-sealing action, combined with a significant reduction in permeability, is essential for increasing the lifespan of concrete structures and extend their DURABILITY.



ADVANTAGES

WATERPROOFS AND PROTECTS CONCRETE MASS:
Sealing its pores and capillaries, preventing the penetration of external chemical aggressors (CO2, chlorides, sulfates that cause reinforcement joints corrosion).

GREEN TECHNOLOGY:
The advantages of our technology align with the principles of SUSTAINABILITY in the construction sector. Drykos' commitment to sustainability is underscored by the remarkable reduction—up to 65%—in CO2 and harmful substance emissions achieved through the adoption of our 0 VOC technology and by eliminating the need of petroleum derivate membranes for waterproofing concrete structures. Additionally, our products and systems made to extend durability, minimize maintenance interventions and related costs by 90%, compared to conventional petroleum-derived waterproofing methods.

SELF HEALING AND ACTIVE PROTECTION:
For cracks up to 0.5 mm that may form over time.

PERMANENT AND DURABLE:
Unlike membranes, our technology is an integrated, non-perishable solution that extends the durability of concrete's structure in an effective way.

REDUCES CONSTRUCTION TIME:
By adding crystalline waterproofing agents to the concrete mix, the concrete is already waterproofed as soon as it is cast; there is no need to wait for its curing as with other waterproofing systems.

ECO-FRIENDLY:
It uses concrete's inherent chemistry and does not pollute the environment.

CONVENIENT:
Its costs are reduced compared to other waterproofing technologies and its efficacity reduces maintenance .interventions up to 90%.

DRYKOS

PRODUCTS

CRYSTALLINE ADMIXTURES

PRODUCT DESCRIPTION

DRYMIX ULTRA is a water-based chemical additive with crystallizing action that waterproofs, protects and increases the durability of concrete works. The latter depends significantly on the microstructural properties of the concrete, such as porosity and pore size, through which aggressive gases and liquids can penetrate, causing degradation. The active chemical components of DRYMIX ULTRA react with the moisture and hydration by-products of the cement to form, within the capillary porosity, an insoluble crystalline complex that becomes an integral part of the cement matrix and acts as an impermeable barrier against the penetration of water and chemicals from any direction. The development of crystalline formation is reactivated over time in the presence of new infiltration of water or moisture and is able to seal cracks up to 0.5 mm by exerting a self-healing action, which is also essential, together with the considerable reduction in permeability, to increase the useful life of concrete structures.

FEATURES

- Waterproofs the concrete mass and protects it permanently
- Withstands very high hydrostatic pressures and waterproofs from any direction (both positive and negative)
- Heals cracks up to 0.5 mm
- It reactivates in the presence of moisture
- Does not interact with other additives normally used in concretes
- It is compatible with all types of cement
- Does not change the rheological characteristics of concrete
- It maintains the workability of fresh concrete for up to 90 min.
- Ensures traceability in compliance with the Technical Standards for Construction (NTC) and Special Specifications, thanks to automated loading of product into concrete batching plant

AREAS OF APPLICATION

Foundations
Multi-story parking garages
Roofing slabs
Water holding tanks and reservoirs
Water treatment facilities
Swimming Pools
Water basins
Submerged elements
Marine structures
Tunnels and underground conduits
Bridges, viaducts, dams

DOCUMENTATION

GREEN TECHNOLOGY

DRYMIX ULTRA is an environmentally friendly product that uses the chemistry of cementerios to fulfill its function, thus enabling its future recycling and avoiding the use of coating materials that would require high disposal. DRYMIX ULTRA therefore contributes to the acquisition of LEED credits.

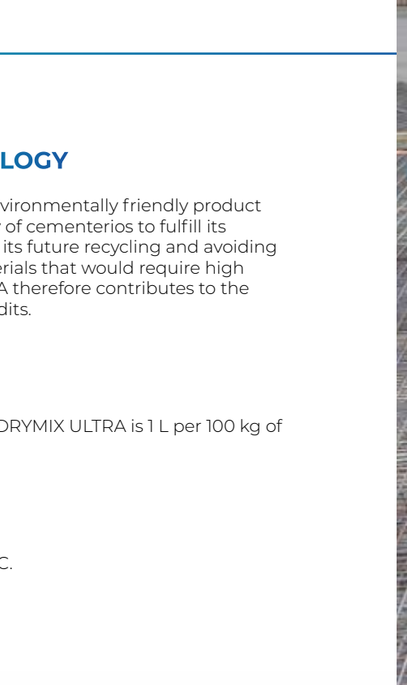
DOSAGE

The optimal dosage of DRYMIX ULTRA is 1 L per 100 kg of cement.

PACKAGING

25 L cans and 1000 L IBC.

DRYMIX ULTRA



NEW LINE

CRYSTALLINE ADMIXTURES

PRODUCT DESCRIPTION

DRYMIX is a powdered crystalline admixture with an active chemical that waterproofs and protects concrete masses, thus extending their durability. The longevity of concrete significantly depends on its microstructural properties, such as porosity and pore size, which allow water and aggressive agents to penetrate, leading to degradation.
The active chemical components of DRYMIX react with moisture and cement hydration by-products, resulting in the formation of an insoluble crystalline complex within the capillary porosity. This complex becomes an integral part of the cement matrix, acting as an impermeable barrier that prevents the penetration of water and chemical agents from any direction.
The development of the crystalline formation can be reactivated over time in response to water or moisture infiltrations. It has the capability to seal cracks up to 0.5 mm in width, exerting a self-sealing action.
DRYMIX is SUITABLE FOR USE ON THE BUILDING SITE with all types of concrete, but also for spritz beton and for prefabrication

FEATURES

- Added directly to the concrete mixer on-site
- Does not interact with other additives present in concrete
- Does not alter the performance of fresh concrete
- Does not affect the cement's setting time
- Reactivates in the presence of moisture and water
- Heals cracks up to 0.5 mm
- Resists extremely high hydrostatic pressures
- Waterproofs from any direction (both positive and negative sides)
- Resistant to continuous chemical aggressions with pH levels between 3 and 11
- Waterproofs the concrete mass and protects it permanently
- Certified for use with potable water

AREAS OF APPLICATION

Foundations
Multi-story parking garages
Roofing slabs
Water holding tanks and reservoirs
Water treatment facilities
Swimming Pools
Water basins
Submerged elements
Marine structures
Tunnels and underground conduits
Bridges, viaducts, dams

GREEN TECHNOLOGY

Drymix is an eco-friendly product that uses cement chemistry to perform its function, thus allowing for future recycling and avoiding the use of any external layer or coating materials that would require a high disposal cost. Drymix Ultra therefore contributes to acquiring LEED credits.

DOSAGE

The dosage of DRYMIX is 1% by weight of the cement content in the concrete.
For shotcrete, the dosage should be increased to 2%

PACKAGING

25 kg buckets.

DOCUMENTATION

DRYMIX

LATEX ADDITIVES

PRODUCT DESCRIPTION

DRYBOND is a latex with a high content of solid polymers, used as an adhesive bridge or to enhance the characteristics of cement mixtures. The product improves the adhesion and performance of cementitious conglomerates, allowing better bonding to the substrate. DRYBOND not only provides increased impermeability but also promotes the proper curing of cementitious mixtures.

FEATURES

- Improves adhesion on insufficiently rough substrates
- Enhances the maturation of mortars and concrete
- Improves resistance to abrasion
- Increases impermeability
- Enhances resistance to freeze-thaw cycles
- Improves resistance to penetration of oils, fats, or surface contaminants
- Enhances mechanical performance in both compression and flexion
- Allows the preparation of cohesive, thixotropic, and workable mixes
- Reduces shrinkage and cracking

AREAS OF APPLICATION

Plaster applications
Creation of render coats for plaster adhesion
Cementitious mortars for repairs
Surface finishes for concrete artifacts and precast elements
Mortars for bonding tiles or slabs
High-strength cementitious screeds
Cementitious mortars for finishing surfaces subject to heavy abrasion (fresh-on-fresh slurry system) for industrial floors,
ramps, channels
Additive for highly adhesive cement slurries used as adhesive bridges

PACKAGING

10 and 25 L tanks.

DRYBOND

DOCUMENTATION

CRYSTALLINE MORTARS

PRODUCT DESCRIPTION

DRYMORTAR is a one-component, thixotropic, fiber-reinforced, crystalline waterproof mortar. It is composed of water-soluble additives and hydraulic binders specifically designed to provide excellent structural stability. DRYMORTAR is formulated specifically for the structural rehabilitation of degraded concrete. DRYMORTAR functions with a crystalline complex that shields it from water infiltration and chemical aggressions originating from any direction. The formation of these crystals can be reactivated over time when new water penetrates the applied concrete.

FEATURES

- Suitable for structural concrete repair work
- Suitable for repairing cracks, honeycombs, and any damages in concrete
- Excellent adhesion to the cementitious substrate
- High resistance to chloride ion penetration (marine environments or de-icing salts)
- Fibre-reinforced
- Waterproof and moisture-resistant
- Certified for use with potable water

AREAS OF APPLICATION

Suitable for repairing cracks, honeycombs, and any damages in concrete
Sealing of voids of spacers of formwork
Suitable for structural restoration of concrete
Repair of water treatment plants, drinking water tanks, wells, and concrete pipes
Tunnels and marine structures
Sealing mortars for pipe passages in concrete

DOSAGE

19.50 kg/m2 per centimeter of thickness (1950 kg/m3).

PACKAGING

25 kg and 10 kg buckets.

DRYMORTAR

DOCUMENTATION

DRYMORTAR P

PRODUCT DESCRIPTION

DRYMORTAR P is an advanced, single-component pourable mortar that combines crystalling waterproofing, controlled shrinkage, and reinforcement with fibers. It is composed of water-soluble additives and specialized hydraulic binders, ensuring outstanding structural stability. Specifically formulated for structural rehabilitation, it offers exceptional durability, even in aggressive environments, and adheres effectively to both concrete and steel surfaces. DRYMORTAR P functions with a crystalline complex that shields it from water infiltration and chemical aggressions originating from any direction. The formation of these crystals can be reactivated over time when new water penetrates the applied concrete.
DRYMORTAR P functions with a crystalline complex that shields it from water infiltration and chemical aggressions originating from any direction. The formation of these crystals can be reactivated over time when new water penetrates the applied concrete.

FEATURES

- Suitable for structural concrete repair work
- Excellent adhesion to the cementitious substrate
- High resistance to chloride ion penetration (marine environments or de-icing salts)
- Fibre-reinforced
- Waterproof and moisture-resistant
- Certified for use with potable water

AREAS OF APPLICATION

Structural restoration of concrete
Dimensional adjustments
Structural Finishing and Consolidations
Large-sized anchorages using pumped or cast-in-place injections
Externally reinforced screeds of reinforced concrete slabs
Repair of industrial floorings

DOSAGE

19.50 kg/m2 per centimeter of thickness (1950 kg/m3).

PACKAGING

25 kg buckets.

DOCUMENTATION

CRYSTALLINE MORTARS

PRODUCT DESCRIPTION

DRYPLUG is a single-component, ultra-fast setting cementitious mortar with high structural stability. It is formulated using hydraulic binders and specially designed water-soluble additives. These characteristics, combined with crystalline technology, result in the formation of an insoluble crystalline complex that shields it from water infiltration and chemical aggressions originating from any direction, effectively blocking and sealing even strong water leaks from concrete structures. The crystalline chemical remains active over time.

FEATURES

- Stops strong water leaks in concrete
- Emergency restoration interventions
- Contains a long-lasting active ingredient
- High resistance to chloride ion penetration (marine environments or de-icing salts)
- Does not contain resins or elastomeric products

AREAS OF APPLICATION

Repairs of significantly cracked concrete structures with water leakage
Immediate repair of strong water leaks under negative pressure from tanks and reservoirs
Repairs of significantly cracked concrete structures with water leakage

GREEN TECHNOLOGY

DRYPLUG is an eco-friendly product that uses the chemistry of concrete to fulfill its function, thus enabling its future recycling and avoiding the use of coating materials that would require a high disposal cost.

DOSAGE

Consumption depends on necessity.

PACKAGING

10 kg and 25 kg buckets.

DRYPLUG

DOCUMENTATION

RENOV COL

PRODUCT DESCRIPTION

RENOV. COL is a rheoplastic cementitious mortar with controlled shrinkage, superfluid consistency, based on high-strength cements, polymer modifiers, anti-shrinkage agents, anti-allergenic additives, and selected silica aggregates.

AREAS OF APPLICATION

Structural restoration, dimensional adjustments, consolidations, large-scale anchoring, embossing, and armored works, etc., through pumped or cast-in-place applications.
(*) For particularly high filling sections, it's possible to add clean, sand-free gravel with a grain size of 6 - 15 mm, up to 30% by weight.

PACKAGING

25 kg bag.

DOCUMENTATION

PRODUCT DESCRIPTION

RENOV TIX is a cementitious structural mortar with thixotropic properties, rheoplastic characteristics, composed of high-strength cements, super pozzolanic fillers, polymer modifiers, anti-shrinkage agents, plasticizers, stabilizers, anticorrosive agents, selected aggregates, and polypropylene fibers.

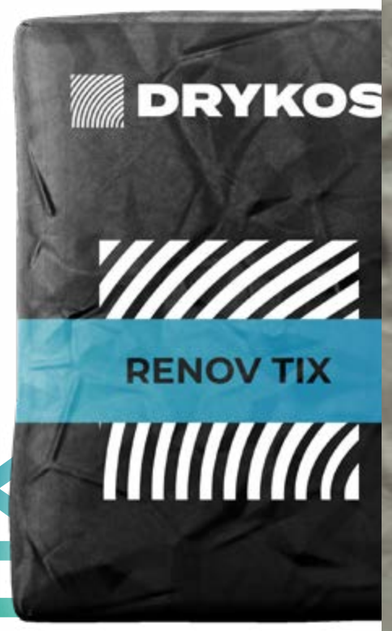
AREAS OF APPLICATION

Designed for structural repairs, dimensional adjustments, consolidation, high-dimensional anchoring, forming and shielding works, etc., through pumped or cast-in-place applications.

PACKAGING

25 kg bag.

DOCUMENTATION



RENOV TIX

CRYSTALLINE COATING TREATMENTS

PRODUCT DESCRIPTION

DRYSEAL ULTRA is a multifunctional water-based product that combines crystalline and repellent technologies. Its protective properties stem from three chemical principles, incorporating repellent technology, impregnating technology (hydrated crystals), and deep-penetration waterproofing technologies (hygroscopic crystals).
Thanks to its low viscosity, DRYSEAL ULTRA effortlessly penetrates the concrete pores and capillaries. Through a chemical reaction with moisture and the by-products of concrete hydration, it establishes a remarkable protective system. This system comprises a dense crystalline formation that repels, along with two crystalline formations that deeply penetrate and seal the top layer of the concrete. This comprehensive approach delivers profound waterproofing, restores the concrete, and significantly enhances its durability. The durability depends on both the external and microstructural properties of the concrete, such as porosity and pore size. These factors can significantly affect the concrete's resistance to the penetration of aggressive gases and liquids, ultimately impacting its long-term integrity.
A single application is sufficient to form an internal, non-film-forming barrier that waterproofs the concrete, protecting it from water penetration, aggressive chemical agents such as sulfates, chlorides, CO2, alkali-silica reaction (ASR), and freeze-thaw cycle.
DRYSEAL ULTRA reactivates within the concrete whenever there is new moisture present, ensuring a continuous protective mechanism.

FEATURES

- It is water-repellent, resistant to fuels, oils, and chemical agents.
- Waterproofs from any direction (both positive and negative sides)
- It is permanent and always active.
- It withstands pH levels from 3 to 11 on continuous contact.
- It has high resistance to chloride ion penetration and sulfates.
- It enhances the durability of concrete structures in highly aggressive environments such as marine, wastewater treatment, and when de-icing salts are used.
- It functions as an anti-dust agent.
- Does not change the substrate's appearance
- Enhances resistance to freeze-thaw cycles
- It seals cracks up to 0.5 mm in width.
- It prevents the growth of moss, algae, and other types of vegetation.
- It is water-based, non-toxic, and completely safe for the environment
- It does not contain VOCs and is REACH certified.
- Certified for use with potable water.

PACKAGING

25 L cans and 1.000 L IBC.

DOCUMENTATION

AREAS OF APPLICATION

Infrastructures, bridges and viaducts, tunnels, dams marine structures, ports and docks, wastewater treatment plants, sewer systems, concrete protection in chemically aggressive environments, interior and exterior concrete pavements, urban furniture elements, architectural concrete (face concrete).

GREEN TECHNOLOGY

DRYSEAL ULTRA is an eco-friendly product that uses cement chemistry to perform its function, thus allowing for future recycling and avoiding the use of any external layer or coating materials that would require a high disposal cost.
The use of Drykos' DRYSEAL ULTRA therefore contributes to the acquisition of LEED credits.

DOSAGE

It is recommended to apply DRYSEAL ULTRA in the dosage of 1 liter per 5 square meters.

DRYSEAL ULTRA

CRYSTALLINE COATING TREATMENTS

PRODUCT DESCRIPTION

DRYSEAL is a water-based, single-component liquid waterproofing solution that employs crystalline technology. Applied via spray, it deeply penetrates concrete and cementitious surfaces to effectively address moisture issues, sealing micro cracks upto 0.5mm, and providing protection against chemical aggression.
Upon application, the product enters the pores of the concrete and initiates a chemical reaction with moisture and cement hydration byproducts. This process leads to the development of needle-like crystalline structures, which efficiently seal pores and micro-cracks. Consequently, it restores the integrity of the substrate and enhances the durability of the concrete.
The durability of this protective effect depends on the porosity of the matrix, which in turn affects its ability to withstand chemicals and endure the challenges of freeze-thaw cycles. The substantial reduction in permeability significantly enhances its resilience against these factors.
A single application is sufficient for the product to exert its restorative and waterproofing action.
DRYSEAL reactivates whenever new moisture phenomena occur, creating a perennial protection mechanism.
A single application of DRYSEAL is adequate to initiate its healing and waterproofing capabilities. Furthermore, DRYSEAL reactivates within the concrete whenever there is new moisture present, ensuring a continuous protective mechanism.. By applying a first coat of DRYSEAL followed by a second coat of DRYSEAL ULTRA, a comprehensive protection system is established. This not only retains the attributes of DRYSEAL but also ensures complete cortical sealing of pores and imparts surface repellency to concrete, ultimately extending its lifespan and reducing the need for frequent maintenance.

FEATURES

- Provides deep waterproofing within concrete mass: The product's high penetration capacity, combined with moisture presence, triggers the formation of crystalline structures.
- Waterproofs from any direction (both positive and negative sides).
- Permanent and always active.
- High resistance to chloride ion penetration (marine environments or de-icing salts)
- Does not change the substrate's appearance
- Enhances resistance to freeze-thaw cycles
- Seals cracks up to 0.4mm
- Allows for water vapor transmission
- Does not contain resins or elastomeric products
- Water-based, non-toxic, and environmentally safe.
- Certified for use with potable water.

PACKAGING

25 L cans.

DOCUMENTATION

AREAS OF APPLICATION

Tunnels and underpasses
Roofing slabs
Water treatment facilities
Tanks, pools, and foundations
Water treatment plants
Sewer systems
Multi-story parking garages
Bridges and viaducts
Ports and docks
Marine structures

GREEN TECHNOLOGY

DRYSEAL is an eco-friendly product that uses the chemistry of cement to fulfill its function, thus allowing its future recycling and avoiding the use of coating materials that would require a high disposal cost.

DOSAGE

It is recommended to apply DRYSEAL at a dosage of 1 L per 5 square meters in a single pass.

DRYSEAL

CRYSTALLINE COATING TREATMENTS

PRODUCT DESCRIPTION

DRYKOTE ULTRA is a single-component cement-based product with crystalline technology. It Includes water-soluble additives and hydraulic binders , purposefully designed for rehabilitating and waterproofing concrete structures.
Its crystalline reactions leads to the formation of insoluble crystalline complexes that seal the capillary porosities of the concrete, preventing the penetration of water and moisture from any direction. The crystalline action remains active over time within the concrete, and on the surface, DRYKOTE ULTRA combines with atmospheric CO2 to create an excellent repellent effect.
Applied as a slurry on the concrete surface, it allows the components to penetrate and deliver waterproofing, rehabilitation, and protection.

FEATURES

- Particularly suitable for degraded or old concrete
- Can be applied from both the positive and negative sides relative to isostatic pressure and can withstand high pressures after application
- Permanent waterproofing
- High resistance to chemical aggressions (between pH 3 and 11)
- Heals micro cracks up to 0.5 mm in the presence of water or moisture
- Allows the passage of water vapour
- Enables waterproofing interventions with a rapid drying effect
- Enhances the durability
- Does not contain resins or elastomeric products
- Certified for use with potable water

AREAS OF APPLICATION

Concrete water tanks and reservoirs
Concrete basins
Wastewater treatment plants
Concrete pipelines
Swimming Pools
Roofing slabs
Elevator shafts
Basements with water infiltration
Tunnels and subways

GREEN TECHNOLOGY

Drykote Ultra is an eco-friendly product that uses cement chemistry to perform its function, thus allowing for future recycling and avoiding the use of any external layer or coating materials that would require a high disposal cost.

DOSAGE

For brush application: 1.0 kg/m2 in a single coat
For spray application: 0.8/1.0 kg/m2 in a single coat
(the ratio may slightly vary depending on the type of machine used).

PACKAGING

25 kg buckets.

DRYKOTE ULTRA

DOCUMENTATION

CRYSTALLINE COATING TREATMENTS

PRODUCT DESCRIPTION

DRYKOTE is a one-component cement-based product with advanced crystalline technology. It includes water-soluble additives and hydraulic binders, purposefully designed for rehabilitating and waterproofing concrete structures.
This crystalline process forms insoluble complexes that permanently seal capillary pores, effectively preventing water and moisture penetration from any direction.
Additionally, this crystallization can reactivate over time when exposed to new water or moisture.
Applied as a slurry on the concrete surface, it allows the components to penetrate and deliver waterproofing, rehabilitation, and protection.

FEATURES

- Particularly suitable for degraded or old concrete
- Can be applied from both the positive and negative sides relative to isostatic pressure and can withstand high pressures after application
- Permanent waterproofing
- High resistance to chemical aggressions (between pH 3 and 11)
- Heals micro cracks up to 0.5 mm in the presence of water or moisture
- Allows the passage of water vapour
- Enables waterproofing interventions with a rapid drying effect
- Enhances the durability
- Does not contain resins or elastomeric products
- Certified for use with potable water

AREAS OF APPLICATION

Concrete water tanks and reservoirs
Concrete basins
Wastewater treatment plants
Concrete pipelines
Swimming Pools
Roofing slabs
Elevator shafts
Water-infiltrated underground structures
Tunnels and subways

GREEN TECHNOLOGY

Drykote is an eco-friendly product that uses cement chemistry to perform its function, thus allowing for future recycling and avoiding the use of any external layer or coating materials that would require a high disposal cost.

DOSAGE

For brush application: 0.8 kg/m2 in two coats
For spray application: 0.7-0.8 kg/m2 in two coats
(the ratio may vary slightly depending on the type of machine used).

PACKAGING

25 kg buckets.

DRYKOTE

DOCUMENTATION

HARDENING TREATMENTS

PRODUCT DESCRIPTION

DRYHARD is a single-component, water-based product that acts as a hardener, sealer, and dustproofer for the treatment of concrete surfaces or cementitious matrix supports.

FEATURES

- Eliminates shrinkage micro-cracks
- Improves the maturation of concrete
- When diluted with water, it can be used as an anti-evaporation agent
- Eliminates pop-out phenomena (ASR - Alkali Silica Reaction)
- Reacts with salts present in the concrete, eliminating surface dust
- Improves resistance to freeze-thaw cycles
- Reduces permeability to oils, grease, or surface contaminants
- Water-based, non-toxic, and free of hazardous components
- Improves the adhesion of paints and coatings by eliminating salts
- Compatible with any type of coating

AREAS OF APPLICATION

Industrial floorings
Prefabricated floors with closed surface finish
Logistics warehouses (high forklift traffic)
Airplane hangars
Industrial and food laboratories
Multi-story parking lots

GREEN TECHNOLOGY

DRYHARD is an environmentally friendly product that utilizes the chemistry of cement to perform its function, allowing for future recycling and avoiding the use of coating materials that would require high disposal costs.

PACKAGING

25 L cans.

DRYHARD

DOCUMENTATION

REPELLENT TREATMENTS

PRODUCT DESCRIPTION

DRYREP is a water-based transparent liquid repellent that is non-film-forming and designed for absorbent surfaces such as concrete, masonry, bricks, natural stones, plaster, terracotta tiles, and cementitious grouts.
When sprayed or applied onto the surface, DRYREP penetrates into the pores and capillaries due to its low viscosity and reacts chemically to form a water-repellent and weather-resistant chemical barrier, all without altering the surface's appearance.

FEATURES

- Water-repellent
- Functions as a dustproofer
- Does not change the substrate's appearance
- Prevents the growth of moss, algae, and other vegetation
- Water-based, non-toxic, and environmentally safe
- Penetrates into the substrate and is UV-resistant
- Suitable for most mineral substrates

AREAS OF APPLICATION

Prefabricated construction
Brick or stone masonry
Brick surfaces
Cobblestones, porphyry
Masonry surfaces
Urban furniture elements
Exposed aggregate concrete
Natural stones
Terracotta or absorbent tiles
To make tile grout repellent

GREEN TECHNOLOGY

DRYREP is a water-based product free from VOCs, environmentally friendly, and safe to apply.

DOSAGE

It is recommended to apply DRYREP at a dosage of 1 liter per 5 square meters in a single application.

PACKAGING

25 L and 10 L cans.

DOCUMENTATION

PASSIVATING TREATMENTS

PRODUCT DESCRIPTION

Light blue, single-component cementitious passivating agent, modified with superpozzolanic agents, flexibilizing resins and anticorrosion agents.

AREAS OF APPLICATION

Passivating protection treatments of reinforcing bars in the rehabilitation of reinforced concrete works and artifacts.

PACKAGING

2,5 kg tin, 5 kg cans, 25 kg cans.

RENOV STEEL

DOCUMENTATION

ANTI-EVAPORATION TREATMENTS

PRODUCT DESCRIPTION

Ready-to-use, easy-to-apply liquid curing material that prevents rapid water loss of concrete and screed surfaces.

FEATURES

- Reduces plastic shrinkage caused by fast drying.
- Prevents dusting as it increases the abrasion resistance of the surface.
- Helps concrete and screeds to reach their target strength, minimizing shrinkage.
- Does not affect normal setting reactions.
- Does not form a layer as it penetrates into fresh concrete, eliminating surface peeling.
- As it is water based, it is suitable for indoor applications.

AREAS OF APPLICATION

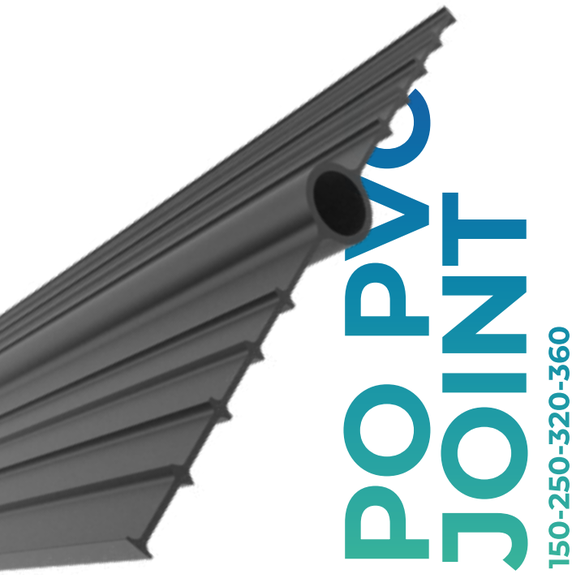
On all interior and exterior concrete surfaces,
Immediately after the application of fresh concrete and screed,
All concrete surfaces exposed to sun and wind like floorings, parking lots, highways and bridges, airports, irrigation channels and hydraulic works, retaining walls, roofs and terraces,
Used in applications where there is exposure to sun with high temperatures, the humidity is low and/or the effect of air flow is high.

PACKAGING

25 L cans and 1.000 L IBC.

DRYCURE

DOCUMENTATION



PRODUCT DESCRIPTION

Waterstop PT PVC JOINT 250/320 is a waterproof PVC profile with a width of 25 cm or 32 cm and high elasticity (non-hydro-expansive). It is used in static joints for horizontal (floor slabs) or vertical (elevation walls) re-cast joints in concrete structures, in a central position to the casting.

AREAS OF APPLICATION

Waterproofing of construction joints in concrete structures between slab sections, between slab and wall sections, or between elevation sections of dams, tanks, hydroelectric plants, tunnels, tanks, wastewater treatment plants, concrete pipelines, bulkheads, diaphragms, and industrial buildings.

PACKAGING

PT PVC JOINT 250 - Roll of 25 m
PT PVC JOINT 320 - Roll of 15 m

DOCUMENTATION

PRODUCT DESCRIPTION

The DRYKOS PO PVC JOINT waterstopper is a waterproof PVC profile with a central bulb and high elasticity, designed for waterproofing structural expansion joints with internal application to concrete. It is composed of high-quality thermoplastic vinyl resins with the addition of suitable plasticizer. It exhibits high resistance to aggressive acid-alkaline solutions, aging, saltwater, and degradation caused by sunlight, ozone, and other atmospheric or chemical agents normally present in air and groundwater. It maintains high flexibility even at low temperatures, and its mechanical characteristics remain unchanged over time.

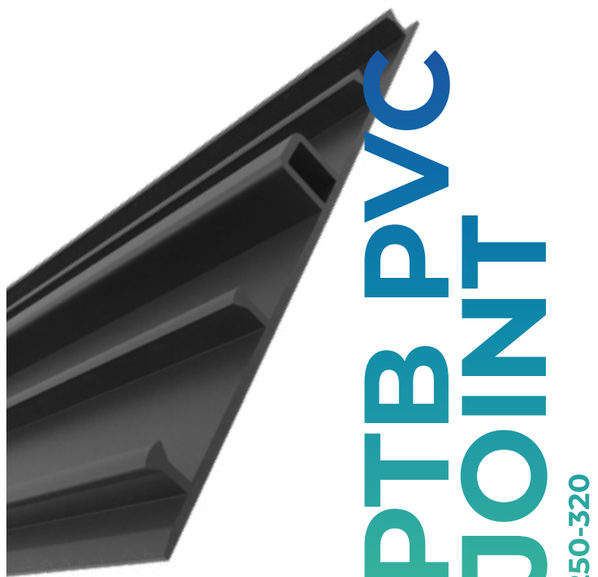
AREAS OF APPLICATION

Waterproofing of structural expansion and movement joints in concrete structures, such as between slab segments, floor slabs, or between different levels of dams, tanks, hydroelectric power plants, galleries, tanks, sewage treatment plants, pipelines, bulkheads, diaphragms, civil and industrial constructions.

PACKAGING

PO PVC JOINT 150 - Roll 25 m
PO PVC JOINT 250 - Roll 25 m
PO PVC JOINT 320 - Roll 20 m
PO PVC JOINT 360 - Roll 15 m

DOCUMENTATION



PRODUCT DESCRIPTION

The DRYKOS PTB V PVC JOINT waterstopper is an impermeable PVC profile equipped with a V-shaped central bulb, characterized by high elasticity and featuring two specially designed lanes for the insertion of a hydro-expansive cord, intended for waterproofing expansion, construction joint resumption, and programmed crack joints with internal application in concrete. It is composed of high-quality thermoplastic vinyl resins with the addition of suitable plasticizers. It exhibits high resistance to aggressive acid-alkaline solutions, aging, brackish waters, and is resilient against degradation caused by sunlight, ozone, and other atmospheric or chemical agents typically present in air and groundwater. It maintains high flexibility even at low temperatures, and its mechanical characteristics remain consistent over time.

AREAS OF APPLICATION

Waterproofing of expansion joints, structural movement joints, construction joint resumption, and programmed crack joints in concrete structures, between slab elements, floor slabs, or between elevations of dams, tanks, hydroelectric plants, galleries, tanks, purification plants, pipelines, bulkheads, diaphragms, civil and industrial constructions.

PACKAGING

Available in 25 m roll.

DOCUMENTATION

PRODUCT DESCRIPTION

The DRYKOS PTB PVC JOINT waterstopper is a waterproof PVC profile with a corrugated shape and high elasticity (nonhydroexpansive), designed for waterproofing expansion and structural joints with external application to concrete. It is made from high-quality thermoplastic vinyl resins with the addition of suitable plasticizers.
It exhibits high resistance to aggressive acidalkaline solutions, aging, saltwater, and degradation caused by sunlight, ozone, and other atmospheric or chemical agents commonly found in air and groundwater. It maintains high flexibility even at low temperatures, and its mechanical characteristics remain consistent over time.

AREAS OF APPLICATION

Waterproofing of structural expansion and movement joints in concrete structures, such as between slab segments, floor slabs, or between different levels of dams, tanks, hydroelectric power plants, galleries, tanks, sewage treatment plants, pipelines, bulkheads, diaphragms, civil and industrial constructions.

PACKAGING

PTB PVC JOINT 250 - Roll of 25 meters PTB PVC JOINT 320 - Roll of 20 meters.

DOCUMENTATION

JOINTSEAL JT

PRODUCT DESCRIPTION

Hydroexpansive sealant, in thixotropic paste, pre-packaged in an extrudable cartridge for use with standard dosing guns; maintains its elastic and sealing properties over time.

AREAS OF APPLICATION

Creating hermetic seals at connections, holes, voids, cracks, formwork joints, etc
Making seals between pipes and masonry
Assisting in the installation of both traditional and hydro expansive waterstop profiles as adhesive.

PACKAGING

Available in 300 cc cartridges, boxes of 12 cartridges.

DOCUMENTATION

JOINTSEAL TAPE B (25x20)

PRODUCT DESCRIPTION

DRYKOS JOINTSEAL TAPE B is a black hydroexpansive water stopper made of sodium bentonite (75%) and specific hydroexpansive polymeric binders (25%). Cord section: 20 mm x 25 mm.

AREAS OF APPLICATION

Used for construction joints and connections, ensuring secure and permanent hydraulic sealing.

PACKAGING

Boxes of 30 m, with 6 coils of 5 linear m each.

DOCUMENTATION

JOINTSEAL TAPE RV (10X5)

PRODUCT DESCRIPTION

JOINTSEAL TAPE RV is a hydro-expansive waterstopper based on polyethylene, butyl rubber, resin, and elastomeric binders. Its unique chemical composition ensures its durability over time. JOINTSEAL TAPE RV has excellent mechanical strength, is elastic, and upon contact with water, expands gradually and in a controlled manner. The expansion times have been designed in such a way that fresh concrete can set without undergoing deformations.
It possesses high hydraulic integrity, resisting the hydrostatic pressure of a water column of 120 meters (12 bar).
JOINTSEAL TAPE RV possesses a high hydraulic seal, withstanding the hydrostatic buoyancy of a water column of 120 mt (12 bar)

AREAS OF APPLICATION

Specifically designed for use in conjunction with the unique PVC waterstopper DRYKOS PTB V PVC JOINT
Sealing of penetrations in metal, concrete, and PVC, even in narrow sections

PACKAGING

Boxes of 40 m, with 4 coils of 10 linear m each.

DOCUMENTATION

JOINTSEAL TAPE SW

PRODUCT DESCRIPTION

JOINTSEAL TAPE SW is a hydroexpansive waterstopper joint made of polyethylene, butyl rubber, resin, and elastomeric binders. Its unique chemical composition makes it suitable for applications in contact with saltwater or leachate and resistant to the effects of time. JOINTSEAL TAPE SW has good mechanical strength, is elastic, and expands gradually and controlled when in contact with water. The timing has been designed so that fresh concrete can set without undergoing deformations.
JOINTSEAL TAPE SW maintains its ability to increase its volume even after numerous cycles of hydration and dehydration.
JOINTSEAL TAPE SW possesses high hydraulic resistance, withstanding the hydrostatic pressure of a water column of 120 meters (12 bar).

AREAS OF APPLICATION

All types of construction joints
Cast-in-place concrete subjected to hydrostatic pressure (approx. 12 bar)
Sealing joints between concrete and concrete, concrete and stone, concrete, and masonry
Foundations, gallery walls, basements, steel and concrete pipes, prefabricated elements, etc.

PACKAGING

Boxes of 60 m, with 6 coils of 10 linear m each.

DOCUMENTATION

HYDROEXPANSIVE WATERSTOP

JOINTSEAL TAPE R

(20x10 - 20x5)

PRODUCT DESCRIPTION

JOINTSEAL TAPE R is a hydroexpansive waterstopper based on polyethylene, butyl rubber, resin, and elastomeric binders. Its unique chemical composition ensures its durability over time. JOINTSEAL TAPE R has excellent mechanical strength, is elastic, and upon contact with water, expands gradually and in a controlled manner. The expansion times have been designed in such a way that fresh concrete can set without undergoing deformations.
JOINTSEAL TAPE R retains its ability to increase its volume even after numerous cycles of hydration and dehydration.
JOINTSEAL TAPE R possesses a high hydraulic seal, withstanding the hydrostatic buoyancy of a water column of 120 mt (12 bar).

AREAS OF APPLICATION

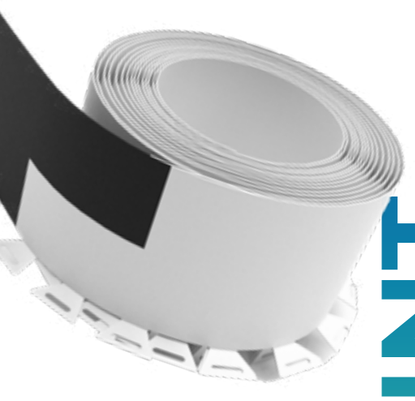
All types of construction joints
Cast-in-place joints subjected to hydrostatic pressure (approx. 72 bar), both temporary and permanent
Sealing joints between concrete and concrete, concrete and stone, concrete and masonry
Foundations, tunnel walls, basements, steel and concrete pipes, prefabricated elements, etc.

PACKAGING

JOINTSEAL TAPE R 20x10 - Boxes of 60 m (10mx6Roll)
JOINTSEAL TAPE RM 20x10 - Boxes of 60 m (10mx6Roll)
JOINTSEAL TAPE RM 20x5- Boxes of 60 m (10mx6Roll)

DOCUMENTATION

JOINT STEEL BW



PRODUCT DESCRIPTION

JOINTSTEEL BW is a galvanized steel sheet with shaped folding eyelets 150 mm high and 0.6 mm thick, coated on both sides with adhesive butyl rubber, protected by a centrally pre-cut film.
JOINTSTEEL BW joint sheet can also be used in the case of “pressurized water” up to a maximum hydrostatic pressure of 2 bar (20 m water column).

AREAS OF APPLICATION

JOINTSTEEL BW joint sheet is used for the waterproofing of casting joints in cast-in-place concrete constructions and more precisely can be used for slab/wall, slab/wall/wall slab and programmed crack joints.

PACKAGING

Available in boxes of 20 m.

DOCUMENTATION

PRODUCT DESCRIPTION

JOINSTEEL P is a galvanized steel plate, available in heights of 760 or 240 mm and a thickness of 0.6 mm. It is coated on both sides with adhesive butyl rubber and protected by a centrally pre-cut film.
The steel plate for joints, JOINSTEEL P, can also be used in the case of “water pressure” up to a maximum persistent hydrostatic pressure of 2 bar (20 meters water column).

AREAS OF APPLICATION

The steel plate for joints, JOINTSTEEL P, is specifically designed for waterproofing construction joints in cast-in-place concrete structures. It is particularly suitable for use in various types of joints, including wall/wall jionts, and controlled cracking joints.

PACKAGING

Available in boxes of 20 m.

DOCUMENTATION

JOINT STEEL P 160 -240

PRODUCT DESCRIPTION

FILTENE is a closed-cell expanded polyethylene cord, compressible, used to properly size the depth of expansion joints (creating the “third wall” or joint bottom) before being filled with DRYKOS SEALFLEX No S polymeric sealants. It is available in circular section profiles of various diameters, adapting to joints of any shape and size.
Suitable for any type of joint between prefabricated elements, claddings, different structural components, partition walls, frames, and floorings. Inserting a “joint bottom” filling material serves multiple functions in both static and expansion joints: sizing the joint in a way that best suits the characteristics of the sealant to be used, reducing internal stresses on the sealant itself and its adhesion to the walls; facilitating contact of the sealant with the side walls during joint filling; reducing sealant consumption. Sold in circular sections with diameters of 10, 15, 30 mm.

AREAS OF APPLICATION

Used as “joint base” filler for any type of joint between prefabricated elements, claddings, different structural components, partition walls, frames, and floorings, prior to the application of elastic sealant in the joint.

PACKAGING

Available in rolls of 25 m.

DOCUMENTATION

FILTENE

DRYFIBERS 60

PRODUCT DESCRIPTION

Dryfibers 60 is a special alkali-resistant Fiber designed to be used as an additive in mortars and cement-based materials in general, especially when achieving a highly uniform distribution within the cementitious matrix is necessary. It's ideal for improving the performance of the material and controlling cracking phenomena when added to cementitious mixtures.

AREAS OF APPLICATION

Underlayment screeds (including those equipped with radiant heating systems), thin pours, small precast elements, concrete floors, cement-based toppings, and concrete structures in general, also in combination with traditional steel reinforcement.

PACKAGING

Available in Biodegradable bag of 1 kg.

DOCUMENTATION

DRYFIBERS 120

PRODUCT DESCRIPTION

Dryfibers 120 is a multifilament polypropylene micro-fiber that carries the CE marking. With a length of 12 mm, it is designed for incorporation into various cementitious materials. The addition of Dryfibers 120 to the mixture serves to mitigate plastic shrinkage cracking in concrete. Additionally, it offers several advantages, including enhanced workability, resistance to frost/thaw cycles, improved impact resistance, and increased overall impermeability.

AREAS OF APPLICATION

Underlayment screeds (including those equipped with radiant heating systems), thin pours, small precast elements, concrete floors, cement-based toppings, and concrete structures in general, also in combination with traditional steel reinforcement.

PACKAGING

Available in Biodegradable bag of 1 kg.

DOCUMENTATION

DRYFIBERS 180

PRODUCT DESCRIPTION

Dryfibers 180 is a multifilament polypropylene micro-fiber that carries the CE marking. With a length of 18 mm, it is designed for incorporation into various cementitious mixtures. The addition of Dryfibers 180 effectively mitigates plastic shrinkage cracking in concrete. Furthermore, it offers several advantages, including enhanced workability, resistance to frost/thaw cycles, improved impact resistance, and increased overall impermeability.

AREAS OF APPLICATION

Improvement of the mechanical and/or rheological performance of mortars, renders, and new concrete constructions.
Construction of architectural structures.
Construction of underlayment's and levelling concrete.
Construction of concrete underground works with high impermeability.

PACKAGING

Available in Biodegradable bag of 1 kg.

DOCUMENTATION

DRYFIBERS 540

PRODUCT DESCRIPTION

Dryfibers 540 is a high-performance trifoliated polyolefin macrostructural fiber, with a length of 54 mm, specifically designed for creating continuous concrete surfaces, and it can also be used as a replacement for traditional steel reinforcement. The texture, length, and surface finish of Dryfibers 540 have been carefully developed for visible applications, such as industrial concrete flooring.

AREAS OF APPLICATION

Suitable for industrial flooring, including as a substitute for steel mesh reinforcement. Also used in precast concrete and for widespread three-dimensional reinforcement of cementitious mixtures.

PACKAGING

Available in Biodegradable bag of 1 kg.

DOCUMENTATION

PRODUCT DESCRIPTION

DRYLASTIC is a two-component liquid waterproofing cementitious membrane with low elastic modulus, based on binders, micronized cements modified with special synthetic polymers in aqueous dispersion, and selected aggregates with fine particle size.
Thanks to the use of special synthetic resins, the hardened layer of DRYLASTIC remains stably and consistently elastic under all environmental conditions and is not chemically attacked by de-icing salts, sulfates, chlorides, and carbon dioxide.
DRYLASTIC is suitable for the protection of potential crack areas. Its excellent initial and final adhesion allows for application on both vertical and horizontal surfaces.
DRYLASTIC adheres to concrete, masonry, and plastered surfaces as long as they are solid and properly cleaned.
DRYLASTIC also adheres to marble, ceramics, and membranes, if properly primed.
DRYLASTIC is not a decorative material but ensures the waterproofing of cracks and crevices.

FEATURES

- Durable elastic waterproofing barrier.
- Resistant to chemical aggression from de-icing salts, seawater, sulfates.
- Protects against carbon dioxide penetration.
- UV-resistant.
- Elastic at both low and high temperatures.
- Vapor-permeable.
- No long maturation times required.
- Suitable for contact with potable water (Legislative Decree 31/2001).

AREAS OF APPLICATION

Waterproofing of concrete tanks for water containment.
Waterproofing of bathrooms, showers, balconies, tanks, terraces, pools, etc. before laying ceramic coverings.
Waterproofing of curved or variable geometry surfaces
Waterproofing of old tiles before laying a new covering.
Protective and anti-carbonation, flexible coating for cementitious surfaces, including those damaged by plastic or hydraulic shrinkage.
Flexible coating for cementitious structures, even subject to flexural deformation.

GREEN TECHNOLOGY

Component B of DRYLASTIC does not contain APEO (Alkylphenol ethoxylate), formaldehyde, ammonia, or VOC, and does not generate dust during mixing, thus safeguarding the health of applicators.

DOCUMENTATION

DOSAGE

For manual application:
~1.0 kg/m² per coat, in two coats.
For spray application with a plaster sprayer:
~1.1/1.2 kg/m² per coat, in two coats.
These consumption rates refer to the application of a continuous film on a flat surface; if the substrate is uneven, the dosage will increase to approximately 1.2 kg/m² per coat or more. For surfaces larger than 15 m², it is recommended to place the elastic polypropylene mesh DRYLASTIC (from 60/75 g/m²) between the still fresh first coat and the second coat; in this case, the dosage will be approximately 2.5 kg/m² for the two coats.

PACKAGING

25 kg buckets containing:
· Component A (powder): polyethylene bag of 17 kg.
· Component B (liquid): polyethylene pouch with a cap of 8kg.

DRYLASTIC

FLEXSTRIP 120

PRODUCT DESCRIPTION

DRYKOS FLEXSTRIP 120 is a waterproof expansion joint cover, made of elastic expandable rubber, fully coated on both sides with absorbent fabric, with a total width of 12 cm. The product stands out for its simple and easy application, proven water impermeability, and high deformation capacity.

PACKAGING

Available in 50 m roll.

DOCUMENTATION

PRODUCT DESCRIPTION

Cold adhesive tape, hydrophobic, composed of a elastic layer of butyl rubber, coated on one side with a non-woven polypropylene fabric and on the other side with a protective film, cut into two equal parts, detachable from the tape during application.

AREAS OF APPLICATION

Elastic waterproofing of non-structural joints in balconies, terraces, etc.

PACKAGING

FLEXSTRIP 80 - 15 m roll
FLEXSTRIP 150 - 25 m roll

DOCUMENTATION

FLEXSTRIP 80-150

FLEXSTRIP 250

PRODUCT DESCRIPTION

DRYKOS FLEXSTRIP 250 is a highly elastic and durable waterproof joint band with a total width of 25 cm. It is composed of a special elastomeric layer in Hypalon, resistant to aging and wear. This band is used in combination with the paste epoxy resin DRYKOS EPOMATRIX for waterproofing hydraulic sealing expansion joints in buildings, structures, and constructions located below the water table level. It also ensures water tightness in above-ground structural connections. Specifically designed for industrial or infrastructure applications.

AREAS OF APPLICATION

Suitable for waterproofing expansion joints, including wide ones, subject to significant movements, as well as natural joints and cracks, even under hydraulic counterthrust conditions. Used in tunnels, silos, tanks, pools, basements, prefabricated roofs, road joints, and hydraulic structures in general.

PACKAGING

Available in 20 m roll.

DOCUMENTATION

EPOMATRIX

PRODUCT DESCRIPTION

Single-component, moisture-curing polyurethane sealant with rapid setting, medium/high elastic modulus, permanently elastic, high surface hardness, tear resistance, and weather resistance. Perfect for adhesion of Jointseal Tape, sealing expansion joints on terraces and balconies, filling joints on prefabricated walls, and on various substrates like wood, steel, aluminum, plastic, plaster, concrete, etc.

AREAS OF APPLICATION

The high versatility and excellent adhesion to different substrates make DRYKOS SEALFLEX N suitable for sealing floor and roof joints in concrete, wood, steel, aluminum, galvanized steel sheets, copper, plastic, etc.

PACKAGING

Cartridges of 300 cc - Boxes of 12 cartridges
Cartridges of 600 cc - Boxes of 6 cartridges

DOCUMENTATION

SEALFLEX S

PRODUCT DESCRIPTION

Thixotropic epoxy paste for fixing elastic strips and general structural interventions.

AREAS OF APPLICATION

Bonding steel plates, carbon fiber tapes, and similar materials to concrete, effectively reinforcing load-bearing elements like beams and columns in construction projects.
Reconstruction of joints in concrete pavements.
Rigid structural bonding (concrete plaques) of prefabricated elements and artifacts in various construction materials: concrete, steel, glass, wood, marble, bricks, stones, etc.
Anchoring, bonding, and fastening of connectors, tie rods, etc.
Adhesion of elastic strips.

PACKAGING

(A+B) = 2 kg - Can 1 kg (A) + Can 1 kg (B)
(A+B) = 10 kg - Can 5 kg (A) + Can 5 kg (B)

DOCUMENTATION

SEALFLEX N

SEALANTS

SEALFLEX S

PRODUCT DESCRIPTION

Two-component epoxy-polyurethane sealant, with self-leveling consistency.

AREAS OF APPLICATION

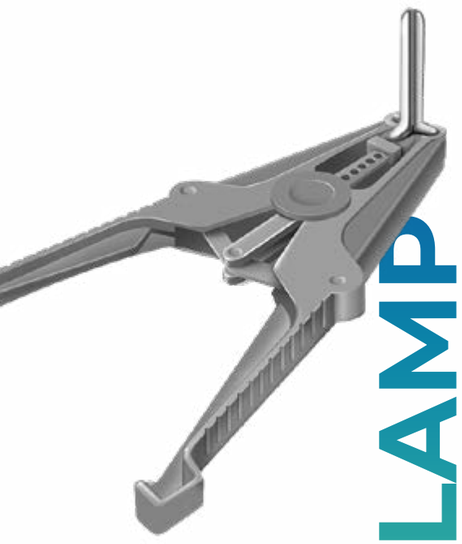
Suitable for both horizontal and vertical sealing of joints in expansion areas and industrial flooring, even in conditions of medium to heavy traffic loads. It also exhibits resistance to contact with hydrocarbons such as gasoline and diesel.

PACKAGING

(A + B) = 7 kg = Can 6 kg (A) + Can 1 kg (B)

DOCUMENTATION

CLAMP 3 POINTS



PRODUCT DESCRIPTION

Special three-beak expanding pliers to facilitate the installation of DRYKOS SQUARESEAL rectangular gaskets in a central position with respect to metal blade formwork spacers for wood formwork.

AREAS OF APPLICATION

Expansion of elastic gaskets. Specific for the installation of DRYKOS SQUARESEAL hydro-expansive rings on blade formwork spacers.

DOCUMENTATION

PLUGSEAL P 22-24

PRODUCT DESCRIPTION

DRYKOS PLUGSEAL P is a special hermetic sealing device for PVC tubular formwork spacers, consisting of a rigid core made of polyamide plastic material and a corrugated cap made of hydroexpansive rubber. The core of DRYKOS PLUGSEAL P is equipped with special circular lamellae that surround it. When correctly inserted into the spacer, these lamellae ensure mechanical sealing at high pressures, preventing the sealing element from being dislodged from its position even in the presence of negative pressure. The hydroexpansive cap of DRYKOS PLUGSEAL P is designed to provide a hermetic seal to the interior of the tubular spacer.

AREAS OF APPLICATION

Used in the construction of underground concrete structures using metal formwork, where the wall is in direct contact with the ground and there is no external waterproofing layer on the wall: basements, cellars, underground garages, underground and semi-underground environments, etc. DRYKOS PLUGSEAL P is designed for tubular spacers with an internal diameter of 21 mm, typically used in construction.

PACKAGING

Available in bag of 100 pieces.

DOCUMENTATION

SQUARE SEAL

PRODUCT DESCRIPTION

DRYKOS SQUARESEAL is a rectangular gasket with a central hole measuring 19 mm x 2 mm, made from a special hydro-expansive rubber that reacts to water by increasing its initial volume. When used in combination with a standard metal spacer for “blade” wooden formwork, DRYKOS SQUARESEAL seals the gaps tightly that could easily form in the concrete due to the presence of the spacer. These gaps, in many cases, could extend from one side of the masonry to the other, posing a serious risk to the waterproofing of the structure.
The hydro-expansive capability of DRYKOS SQUARESEAL has been tested in the laboratory with three different types of water: demineralized, saltwater, and strongly alkaline water (to simulate conditions in contact with concrete). The expansion tests
showed a volume variation ranging from a minimum of approximately 200% in the case of saltwater to a maximum of over 900% in the case of demineralized water.
In its standard version, DRYKOS SQUARESEAL is sized to fit the typical dimensions of “blade” formwork spacers commonly used in construction, typically with a width of about 20 mm, in either the straight/flat or “twisted” version (designed to minimize the likelihood of non-conformities during the pouring of concrete into the formwork).

AREAS OF APPLICATION

Used in the construction of underground concrete structures using metal formwork, where the wall is in direct contact with the ground, and therefore, there is no presence of external waterproofing layers on the wall: basements, underground garages, semibasement areas, etc.

PACKAGING

Available in bag of 200 pieces.

DOCUMENTATION

WASHER SEAL

PRODUCT DESCRIPTION

DRYKOS WASHERSEAL is a ring gasket made from a special hydroexpansive rubber that reacts with water to increase its initial volume. When used in combination with a tubular spacer for metal formwork, DRYKOS WASHERSEAL hermetically seals any passing gaps that could easily form in the concrete due to the presence of the spacer, thus compromising the waterproofing of the structure.
In its standard version, the DRYKOS WASHERSEAL gasket is designed for tubular spacers with an internal diameter of 21.5 mm (without external ribs), commonly used in construction, typically having an outer diameter of around 24 mm. Due to the elasticity of the gasket, larger diameters up to about 30 mm are also tolerated. Do not use DRYKOS WASHERSEAL with spacers whose outer diameter is less than 23.5 mm.

AREAS OF APPLICATION

Used in the construction of underground concrete structures using metal formwork, where the wall is in direct contact with the ground, and therefore, there is no presence of external waterproofing layers on the wall: basements, underground garages, semibasement areas, etc.

PACKAGING

Available in bag of 100 pieces.

DOCUMENTATION

DRYINJECT 800

PRODUCT DESCRIPTION

Dryinject 800 is a one-component, permanently flexible, hydro-expansive polyurethane resin (increases its initial volume by approximately 8 times), solvent-free, ideal for sealing small and large water infiltrations in concrete or masonry walls in general. It is perfect for filling and sealing small cavities, joints, and discontinuities subject to movement.
DRYKOS Dryinject 800, in contact with water, forms a flexible polyurethane foam. Technically, it is a one-component product that reacts spontaneously with the water present in the masonry to be sealed. However, the reaction speed with water alone would be very slow for construction site needs. Therefore, it is essential to use an expansion accelerator, sold in combination with the resin itself (Component B).
The polyurethane foam resulting from the injection process, once expanded, will maintain its volume stability. Good resistance to hydraulic pressure from incoming water will be achieved after approximately 7-12 minutes from the start of the reaction. The formation of CO_2, typical of the polyurethane reaction, will provide additional pressure to the system, facilitating the penetration of the resin into cracks and voids. DRYKOS Dryinject 800 expands approximately 8 times its initial volume in a free environment.

AREAS OF APPLICATION

Stopping water infiltrations in underground areas. Ideal for filling and sealing small cavities, cracks, static and dynamic joints in concrete and masonry walls in general.

PACKAGING

Available in
Resin (Component A): 25 kg buckets Catalyst (Component B): 2.3 kg cans

DOCUMENTATION

PRODUCT DESCRIPTION

DRYKOS Dryinject 2000 is a one-component, hydro-expansive polyurethane resin, solvent-free, ideal for sealing small and large water leaks in concrete or brick constructions, through static cracks or voids to be filled. In contact with water, DRYKOS Dryinject 2000 forms a semi-flexible, closed-cell polyurethane foam. The reaction speed can be easily programmed based on the amount of accelerator (Comp. B), ranging from 6% to 70% by weight of Comp. A. Adding a larger amount of accelerator (Comp. B) reduces the reaction time. Once expanded, the final product does not swell or shrink. Within a fairly short time, it achieves good resistance to pressure. The formation of CO2, typical of the reaction, provides additional pressure, facilitating the penetration of the resin into cracks. In a free environment, the resin expands by 2000% (20 times its initial volume).

PACKAGING

Available in
Resin (Component A): 25 kg buckets Catalyst (Component B): 2.3 kg cans

DRYINJECT 2000

DOCUMENTATION

PRODUCT DESCRIPTION

DRYKOS Dryinject 6870 is a two-component polyurethane resin based on MDI (Methylene Diphenyl Diisocyanate). It has the characteristic of low viscosity and expands upon contact with water, forming a flexible foam.

FEATURES

- Color: yellow
- Free expansion: 800%
- Resin density: 1.08kg/l
- Catalyst density: 0.923kg/l
- Viscosity (25°C) Resin: 105 mPas
- Viscosity (25°C) Catalyst: 36 mPas
- Reaction times: 90gr. Resin + Catalyst + 20gr. Water
- Shelf life: 1 year from the date of manufacture with the product stored in its original, unopened and undamaged packaging, stored in a dry place with a temperature between +10°C and +30°C. Once the container is opened, the shelf life decreases quickly and the product should be used as soon as possible.

AREAS OF APPLICATION

Thoroughly mix DRYKOS Dryinject 6870 resin with 6-9% of DRYKOS Dryinject 6870 CAT catalyst.
Inject the mixed resin into cracks using a one-component pump. Due to its low viscosity and expansion during the polymerization phase, the resin penetrates deeply into cracks. Once it comes into contact with water, it forms a flexible polyurethane foam.

PACKAGING

Available in
Resin (Component A): 25 kg buckets Catalyst (Component B): 2.3 kg cans

DRYINJECT 6870

DOCUMENTATION

DRYINJECT 6890 CAT

PRODUCT DESCRIPTION

DRYKOS Dryinject 6890 is a two-component polyurethane resin based on MDI (Methylene Diphenyl Diisocyanate). It has the characteristic of medium viscosity and expands upon contact with water into a flexible foam without shrinkage.

FEATURES

- Color: yellow
- Free expansion: 800% - 1000%
- Resin density: 1.07kg/l
- Catalyst density: 1.04kg/l
- Viscosity (25°C) Resin: 470 mPas
- Viscosity (25°C) Catalyst: 9 mPas
- Reaction times: 90gr. Resin + Catalyst + 20gr. Water
- Shelf life: 1 year from the date of manufacture with the product stored in its original, unopened and undamaged packaging, stored in a dry place with a temperature between +10°C and +30°C. Once the container is opened, the shelf life decreases quickly and the product should be used as soon as possible.

AREAS OF APPLICATION

Thoroughly mix the DRYKOS Dryinject 6890 resin with 6-9% of the DRYKOS Dryinject 6870 CAT catalyst.
Inject the mixed resin into cracks using a one-component pump. Due to its low viscosity and expansion during the polymerization phase, the resin penetrates deeply into cracks. Once it comes into contact with water, it forms a flexible polyurethane foam.

PACKAGING

Available in
Resin (Component A): 25 kg buckets Catalyst (Component B): 2.3 kg cans

DOCUMENTATION

INJECT PACKER (13X120)-(16X170)

PRODUCT DESCRIPTION

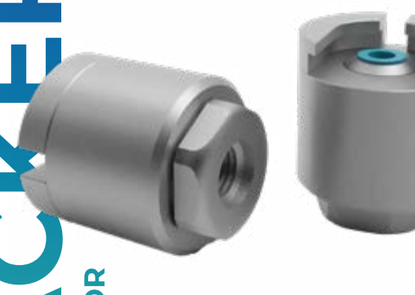
Rubber and steel injector to be inserted at the sites of lesions, cracks, voids, joints, cavities, etc., to be waterproofed using the specified hydro-expansive polyurethane resins DRYKOS DRYINJECT, specifically designed for the immediate cessation of water infiltrations. Equipped with a “flat head” with a non-return valve, it is to be used in combination with the flat-headed injector connector.

DOCUMENTATION

INJECT PACKER CONNECTOR

PRODUCT DESCRIPTION

Specific accessory to be used in combination with flat-headed injectors INJECT PACKER for the hermetic sealing of water infiltrations using the specified hydro-reactive polyurethane resins DRYKOS DRYINJECT.



DOCUMENTATION

PUMP CLEANER

PRODUCT DESCRIPTION

DRYKOS PUMP CLEANER is a specialized cleaning agent designed for the equipment used during water infiltration sealing injection operations in buildings. It is a low-toxicity, oil-based rinse detergent with high solvent capacity for non-cured polyurethanes, intended for cleaning and lubricating the hydraulic pumping circuits within both manual and electric pumps. This product serves as a replacement for commonly used substances like acetone, methylene chloride, and other detergents.

AREAS OF APPLICATION

Cleaning of injection equipment (pump).
Removal of residues from non-cured polyurethane.

PACKAGING

Available in 10 kg cans.

DOCUMENTATION