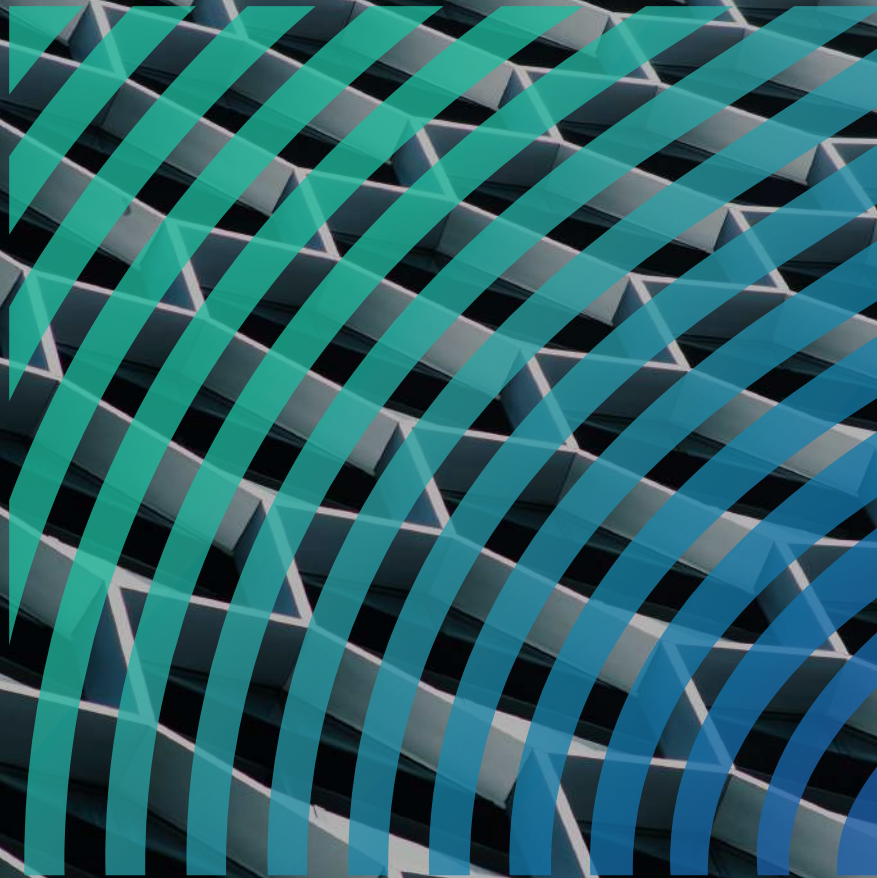


DRYKOS

CRYSTALLINE WATERPROOFING TECHNOLOGY



COMPANY PROFILE

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Italian roots, global reach

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ITALIAN ROOTS, GLOBAL REACH

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YEARS OF EXPERIENCE

15 MLN

SQUARE METERS OF
WATERPROOFED SURFACES

100%

RECYCLABILITY

4

CONTINENTS

80

PRODUCTS

65%

ECOLOGICAL FOOTPRINT REDUCTION

DRYKOS IS A SPECIALIZED MANUFACTURER OF ENVIRONMENTALLY SUSTAINABLE SOLUTIONS FOR THE WATERPROOFING OF CONCRETE STRUCTURES, SUCH AS RESIDENTIAL, INDUSTRIAL BUILDINGS AND INFRASTRUCTURES.

OUR COMMITMENT IS CENTERED ON ENHANCING DURABILITY AND PROTECTION OF CONCRETE STRUCTURES, EMPLOYING CUTTING-EDGE CRYSTALLINE-BASED TECHNOLOGY.

WE ULTIMATELY AIM TO MAXIMIZE THE USEFUL LIFE OF CONCRETE STRUCTURES REDUCING CONSTRUCTION ENVIRONMENTAL IMPACT.

Established by visionary Italian entrepreneurs, Drykos boasts a solid expertise as an entity with a longstanding presence both in Italy and abroad, spanning regions such as Europe, Türkiye, Middle East, West Africa, and South America.



**EUROPE, SOUTH AMERICA,
AFRICA, MIDDLE EAST**

At Drykos, we proudly stand as the sole Italian-capital company engaged in research, development and production on their national territory, in the realm of crystalline technology; additives, coatings, and mortars for concrete waterproofing and protection.

Our product range is tailored to address the needs of design firms, construction companies, and public entities overseeing infrastructure projects, to maximize the durability of concrete structures addressing a sustainable way of building.

Our comprehensive approach extends across all project phases, encompassing design, supply, on-site installation of waterproofing systems, on-site assistance, and long-term insurance coverage. This integrated model enhances economic efficiency, increases construction sites safety, and ensures a seamless client experience.



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-sealing** 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.

TECHNOLOGY ADVANTAGES



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



PERMANENT AND DURABLE: unlike membranes, our technology extends the durability of a structure



SELF SEALING AND ACTIVE for cracks up to 0.5 mm that may form over time



REDUCES CONSTRUCTION TIMES: the concrete is already waterproofed as soon as it is cast, no need to wait for its curing as with other waterproofing systems



ECONOMICAL: its costs are reduced compared to other waterproofing systems



ECO-FRIENDLY: 0 Voc, it uses concrete's inherent chemistry and does not pollute the environment (vs. pvc membranes)

The advantages of our technology aligns seamlessly with the principles of **sustainability** in construction's sector.

Drykos' commitment to sustainability is further underscored by the remarkable **reduction—up to 65%—in CO₂** and harmful substance emissions achieved through the adoption of our 0 VOC technology, eliminating the need of petroleum derivate membranes for waterproofing concrete structures.

Additionally, our approach **minimizes maintenance interventions and related costs by 90%**, as compared to traditional petroleum-derived waterproofing methods.

R&D & PRODUCTION

As a specialized manufacturer undertaking research, development, and production of crystalline agents, Drykos places a significant emphasis on **quality control** throughout the entire supply chain—from production and distribution to on-site application and potential reuse.

Extensive experience in different environmental conditions, enable us to formulate products tailored to every project requirement.

Our laboratories collaborate with esteemed institutions such as Politecnico di Torino (Italy), Cambridge (UK), San Paolo (Brazil), and Istanbul Technical University (Türkiye). Drykos' commitment to quality is certified with ISO 9001:2015. Our products have obtained certifications from leading entities such as ASTM, EPD, GBCI, and Bureau Veritas.

The products and systems developed by Drykos play a pivotal role for developers and constructors in aligning with the highest sustainability standards in building practices, as defined by LEED certification and UN Sustainable Development Goals (SDG).



PRODUCTS

Our product lines cater to a spectrum of needs, offering solutions for new constructions, repair projects, and the protection of concrete structures.

Drykos line for **new constructions** aims to enhance the durability of structures, ensuring compliance with LEED certification and United Nations Sustainable Development Goals (SDG).

Examples of products:



Drykos **repair** product line is designed to restore deteriorated concretes swiftly, effectively, and sustainably.

Examples of products:



The **protection** line by Drykos encompasses an innovative and ecological range, enabling infrastructures to withstand critical conditions such as chemical attacks, chlorides, carbonation, freeze-thaw cycles, and more.

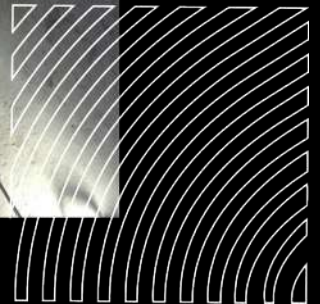
Examples of products:



SYSTEMS

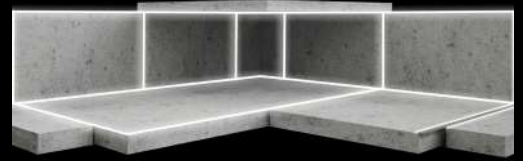
Drykos adopts a systemic approach that integrates comprehensive assistance in the design phase, product supply, seamless on-site installation, and ongoing support and consultation with our dedicated team.

Our model is founded on flexibility to cater to diverse client needs and on our commitment to providing high-quality service, fostering enduring trust-based relationships.



We specialize in delivering turnkey solutions for new constructions and the repair of damaged or degraded concrete structures.

DRYBOXSYSTEM™



Our guaranteed, “active” waterproofing system, designed to extend the life of newly constructed structures exposed to permanent water or chemical attacks, even under high hydrostatic pressure.

This system involves admixing concrete with DRYMIX ULTRA, which, owing to our innovative crystalline technology, maintains consistent impermeability and protection over time. It includes ensured waterproofing of all joint and is a complete solution for achieving extended durability in concrete structures.

Drybox System™ incorporates support to engineers in the design phase, with a tailored and detailed WATERPROOFING project aligned with the original design, real-time site monitoring through a digital app, on-site installation support and assistance and a long-term insurance.

CRACK REPAIR



Our system for the permanent repair of concrete structures' cracks. The protocol involves the application of crystalline products and certified processes.

The system restores the impermeability of basements, tanks, tunnels, galleries, marine infrastructures, and water treatment plants among other structures, even in the presence of strong hydrostatic pressure, without the need to interrupt services.



SUSTAINABILITY

Drykos is inherently committed to sustainability, with a keen focus on the environmental impact of its products and operations:

With crystalline technology at the core of our manufacture we set the bar high for our industry's future, permanently eliminating the use of petroleum-based compounds in concrete waterproofing technologies, abating environmental impact. Our Research & Development department continues its commitment to achieve zero carbon emissions by 2050.

Stemming from our technological foundations, we built an ESG compliant organization, pursuing goals of continuous improvement in ethical performances, waste and resources' input reduction, in adherence to EU standards, global policies and circular economy principles.

LEED

Our waterproofing technology ensures an increased LEED score in a project.

0 VOC PRODUCT

Prioritizing the health and safety of individuals, including applicators.

CO2 REDUCTION UP TO 65%

The adoption of crystalline technology, rendering concrete self-healing and protected, significantly extends concrete's durability. Extended lifespan reduces a structure's ecological footprint up to 50%. Our technology shortens construction times, diminishes labor and energy and reduces the need for maintenance up to 90%, drastically diminishing construction's carbon footprint.

REACH COMPLIANT

Our products do not contain toxic or carcinogenic substances.

RECYCLABLE

Admixed concrete and system accessories are recyclable, unlike superficial membranes.

PROJECTS

A selection of projects and partners, by field of application



New Bicocca University residences,
Milan, Italy



Highway "Autostrada dei Fiori" Turin - Savona,
Italy



New Policlinico Hospital, Milan, Italy



Fondazione Prada Museum,
Milan, Italy



Winter Wonderland, Almaha Island, Lusail,
Qatar



Water treatment plant, Pavia, Italy

VALUES

DURABILITY

The use of crystalline technology increases a structures lifespan (between 50 and 100 years) compared to conventional systems (between 30 and 50 years).

EFFICIENCY

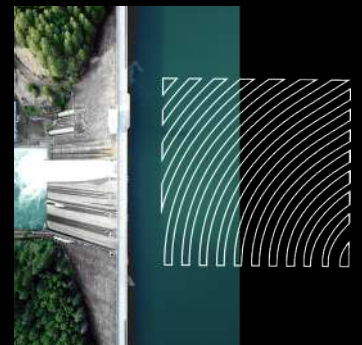
Drykos solutions save construction times and costs.

CUSTOMER CARE

Integrative approach combined with great flexibility enhance client satisfaction.

GREEN TECHNOLOGY

Ecological waterproofing solutions designed to reduce carbon footprint in the construction sector for a green future.



DRYKOS



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