



Dryseal

Single-component, ready-to-use, high-penetration liquid waterproofing agent with crystallizing action for cementitious substrates

Drykos® **Dryseal** is a water-based, single-component liquid waterproofing agent with crystallizing action, designed for the restoration and protection of concrete and cementitious matrix substrates.

Applied superficially, preferably by spray, the product penetrates deep into the cementitious matrix and reacts chemically with the moisture present and the by-products of cement hydration. This reaction generates a needle-like crystalline formation that seals pores and micro-cracks, restoring the concrete in depth and increasing its durability.

Drykos® **Dryseal** is capable of sealing damp cracks up to 0.5 mm, significantly reducing the permeability of the concrete mix. The decrease in porosity limits the penetration of water, gases, and aggressive substances, improving the material's resistance to chemical attacks and freeze-thaw cycles.

A single application is sufficient to activate the waterproofing and restorative action. The product maintains its effectiveness over time thanks to its ability to reactivate in the presence of new moisture, establishing a permanent protection mechanism within the concrete mass. The combined use of Drykos® **Dryseal** and Drykos® **Dryseal Ultra** increases the durability of the concrete by combining their sealing and water-repellent properties.

TECHNICAL PERFORMANCE

Characteristic	Test method	Standard requirements	Performance
Freeze-thaw cycles with immersion in de-icing salts	EN 13581	Mass loss of the surface of the impregnated specimen must occur at least 20 cycles later than that of the non-impregnated specimen	31 cycles later than that of the non-impregnated specimen
Penetration depth	EN 14630	Class I: < 10 mm Class II: ≥ 10 mm	Class I: 1.7 mm
Water absorption and alkali resistance test for hydrophobic impregnation	EN 13580	Absorption ratio < 7.5%, compared to the untreated specimen Absorption ratio (after immersion in an alkali solution) < 10%	Water absorption: 4.8% Alkali absorption: 8.4%
Drying rate for hydrophobic impregnation	EN 13579	Class I: > 30%	Class I: 105%
Hazardous substances			Compliant with point 5.4
Water permeability under pressure	EN 12390-8	Comparison with non-admixed mixture	56% reduction (5 bar/72 h)
Rapid chloride permeability	ASTM C1202	Comparison with non-admixed mixture	Significant reduction in passed charge compared to reference concrete: -65%

Characteristic	Test method	Standard requirements	Performance
Coating suitable for contact with water intended for human consumption	In accordance with Ministerial Decree 174/2004 and Legislative Decree 18/2023		Suitable

NOTES

This "light" version of the technical data sheet provides a selection of the product's main descriptive and performance characteristics. While the data contained herein corresponds to our current scientific and technical knowledge, it is indicative and not exhaustive. For complete specifications, detailed technical information, conditions of use, and official updates, please refer exclusively to the full technical data sheet, available in its latest revision at www.drykos.com.

Full technical datasheet

