



## Drykote

High-penetration crystallizing cementitious slurry for waterproofing concrete structures

Drykos® **Drykote** is a single-component cementitious crystallizing product, formulated with hydraulic binders and water-soluble additives specifically developed for the restoration and waterproofing of concrete structures. Upon contact with water and moisture present in the substrate, Drykos® **Drykote** activates a crystallization process that generates **insoluble crystalline complexes**, capable of sealing the capillary porosity of the concrete and preventing the penetration of water and moisture, both under positive and negative pressure. The crystallizing action **reactivates over time** in the presence of new moisture, ensuring durable and continuous protection. Applied as a **slurry** on the concrete surface, the product penetrates the cementitious matrix through the migration of its active components, waterproofing, restoring, and protecting the substrate in depth.

## TECHNICAL PERFORMANCE

| Characteristic                         | Test method                | Standard requirements                           | Performance                                                  |
|----------------------------------------|----------------------------|-------------------------------------------------|--------------------------------------------------------------|
| Compressive strength                   | EN 12190                   | ≥ 25 MPa                                        | 28.2 MPa                                                     |
| Bond strength                          | EN 1542                    | ≥ 1.5 MPa                                       | 1.9 MPa                                                      |
| Chloride ion content                   | EN 1542                    | ≤ 0.05%                                         | ≤ 0.05%                                                      |
| Elastic modulus                        | EN 13412                   | ≥ 15 GPa                                        | 28.5 GPa                                                     |
| Thermal compatibility                  | EN 13687-4                 | Bond strength after 30 cycles: ≥ 1.5 MPa        | 1.8 MPa                                                      |
| Capillary absorption                   | EN 13057                   | ≤ 0.50 kg · m <sup>-2</sup> · h <sup>-0.5</sup> | ≤ 0.23 kg · m <sup>-2</sup> · h <sup>-0.5</sup>              |
| Fire resistance                        | EN 13501-1                 | Euroclass                                       | A1                                                           |
| Water permeability under pressure      | EN 12390-8                 | No requirement                                  | 50% reduction in penetration compared to non-admixed mixture |
| Water permeability under high pressure | U.S. Army CRD C48-92       | Performance verification                        | 70% reduction in penetration compared to non-admixed mixture |
| Potability test                        | Legislative Decree 31-2001 | Compliance with chemical parameters             | suitable                                                     |
| Accelerated chloride penetration       | ASTM 1202-08               | Value comparison                                | suitable                                                     |
| Hazardous substances                   |                            |                                                 | See SDS                                                      |

# 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](http://www.drykos.com).

## Full technical datasheet



**DRYKOS S.r.l.**

Piazza Marconi n. 7 12100 - Tarantasca (CN) - Italia

Tel. + 39 0171 1874992 | E-mail [info@drykos.com](mailto:info@drykos.com) | Web [www.drykos.com](http://www.drykos.com)

Last update 07/05/2026