



Dryrep

Water-based water-repellent, protective, and consolidating impregnating agent for absorbent surfaces

Drykos® **Dryrep** is a single-component, water-based liquid water-repellent impregnating agent designed for the protection of absorbent mineral surfaces.

The product, characterized by low viscosity and high penetration capacity, diffuses into the pores and capillaries of the substrate, reacting chemically and forming a permanent hydrophobic barrier, resistant to water and atmospheric agents, without creating surface films and without altering the aesthetic appearance of the material. Thanks to its non-film-forming and breathable nature, Drykos® **Dryrep** maintains the vapor permeability of the substrate, contributing to the protection of surfaces against water absorption, efflorescence formation, and degradation due to freeze-thaw cycles and aggressive agents.

CHARACTERISTICS

Certifications



EN 1504-2

Products and systems for the protection and repair of concrete structures - Concrete surface protection systems

Main characteristics

- High water-repellent capacity
- Deep penetration into substrate capillaries
- Non-film-forming, does not alter aesthetic appearance
- Maintains vapor permeability
- Reduces absorption of water and aggressive substances
- Improves resistance to freeze-thaw cycles
- Reduces efflorescence formation
- Anti-dust and self-cleaning effect
- Inhibits growth of algae, moss, and microorganisms
- High resistance to UV rays and atmospheric agents

Fields of use

- Protective hydrophobic treatment for absorbent surfaces in exposed concrete and reinforced concrete structures
- Brick, natural and artificial stone masonry
- Cementitious plasters and mineral coatings
- Exposed brick surfaces
- Paving in interlocking blocks, porphyry, and stone materials
- Terracotta tiles and porous surfaces
- Cementitious joints between tiles
- Prefabricated elements and street furniture

SPECIFICHE TECNICHE

Packaging

5 L canister

25 L canister

Color

Colorless after application.

Appearance

Liquid.

Shelf life

12 months from application date.

Storage conditions

Store properly in the original, sealed, intact packaging, protected from frost and direct sunlight exposure, at temperatures between +5°C and +35°C.

APPLICATION DATA

Theoretical consumption

Consumption depends on the porosity and absorption of the substrate. From 0.2 to 1 L per m².

Coverage

~ 1 L per 5 m²

Application temperature

Minimum +5 °C | Maximum +35 °C

APPLICATION INFO

Substrate preparation

Surfaces must be clean, sound, dry, and free from dust, oils, greases, efflorescence, and loose particles. Any contamination must be removed by washing with suitable detergents or pressure washing. Surfaces must be allowed to dry completely before application to facilitate product penetration. Any cracks or defects in the substrate must be repaired beforehand.



DRYKOS S.r.l.

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

Tel. + 39 0171 1874992 | E-mail info@drykos.com | Web www.drykos.com

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2 of 4

Product preparation

Drykos® **Dryrep** is a ready-to-use product and must not be diluted. Thoroughly homogenize the product by manually shaking the sealed container before application.

Application

Drykos® **Dryrep** must be applied uniformly by low-pressure spraying, roller, or brush, ensuring complete saturation of the substrate. Application should preferably be carried out in one or more wet-on-wet passes until material saturation is achieved.

On vertical surfaces, it is recommended to apply the product from bottom to top, avoiding runs and accumulations. The product must penetrate completely into the substrate without forming surface films.

Tool cleaning

Clean tools with water immediately after use. Hardened product can only be removed mechanically.

Other indications

- Do not apply on wet or water-saturated substrates
- Do not apply in case of imminent rain or unfavorable weather conditions
- Protect treated surfaces from rain for at least 24 hours
- Do not apply on non-absorbent surfaces or surfaces already treated with film-forming products
- Always perform a preliminary test to verify absorption and aesthetic effect
- For anything not covered, contact Technical Support at +39 0171 1874992 or write to info@drykos.com

TECHNICAL PERFORMANCE

Characteristic	Test method	Standard requirements	Performance
Mass loss after freeze-thaw cycles in the presence of 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	35 cycles later than that of the impregnated specimen
Penetration depth	EN 14630	Class I: 10 mm Class II: ≥ 10 mm	Class I: 4 mm
Water absorption and alkali resistance test for hydrophobic impregnation	EN 13580	Absorption ratio 7.5%, compared to untreated specimen Absorption ratio (after immersion in alkali solution) 10%	Water absorption: 7.0% Alkali absorption: 8.9%
Drying rate for hydrophobic impregnation	EN 13579	Class I: > 30% Class II: > 10%	Class I: 118%
Hazardous substances			Compliant with point 5.4

ENVIRONMENT AND SAFETY

VOC

Solvent Free.

Safety

For information and advice on safety, handling, storage, and disposal, users of the product must refer to the most recent version of the Safety Data Sheet, which provides information on the physical, ecological, and toxicological characteristics of the product. If necessary, request the updated Safety Data Sheet by contacting Customer Service at +39 0171 1874992 or writing to info@drykos.com. Product compliant with the requirements of Regulation (EC) No. 1907/2006 (REACH) and Annex XVII, entry 47 and subsequent amendments and additions.

Use

For professional use.

WARRANTIES AND LEGAL NOTES

Should the product be defective, the liability of Drykos S.r.l. shall be limited solely to its replacement. The information and instructions in this technical data sheet regarding the application and end-use of the products are provided in good faith and reflect current scientific and technical knowledge; however, they do not constitute any guarantee or assumption of liability regarding the final outcome of the work involving their use. Given the variety of operating conditions and external factors beyond the control of Drykos S.r.l. during execution, it is the user's responsibility to verify the product's suitability for the specific application, assuming all risks and liabilities. Drykos S.r.l. reserves the right to modify the properties of its products at any time. Always refer to the most recent version of the product's technical data sheet. This edition cancels and replaces all previous versions. The latest updated technical data sheets are available on our portal at www.drykos.com.



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