



Drytop

Highly elastic silicone waterproofing membrane, resistant to standing water, for the protection and waterproofing of multiple substrates

Drykos® **Drytop** is a continuous, highly elastic silicone waterproofing membrane designed for the creation of highly flexible and durable waterproofing systems. After application, the product forms a continuous elastic membrane capable of effectively bridging cracks and joints, ensuring water tightness even in the presence of substrate movement.

Characterized by high solar reflectance, Drykos® **Drytop** contributes to reducing thermal absorption of exposed surfaces. The system provides excellent resistance to weathering, abrasion, and foot traffic, maintaining its elastic and protective performance over time.

Drykos® **Drytop** is applicable as a waterproofing and protective coating on a wide range of properly prepared substrates, including concrete, screeds, tiled surfaces, natural stone, old bituminous membranes, and metal roofing. It is particularly suitable for waterproofing roofs, even in the presence of standing water.

CHARACTERISTICS

Certifications



EN 1504-2

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

Main characteristics

- High protection against weathering and UV rays
- Formation of continuous monolithic waterproof membrane
- Resistance to permanent standing water
- High color stability and resistance to chalking
- Reflective properties (cool roof) with reduced overheating
- High breathability that reduces the risk of blistering
- Applicable in a single high-build coat
- Wide application versatility (spray, roller, brush, trowel)
- Excellent long-term durability

Fields of use

- Creation of continuous waterproofing coatings on flat or sloped roofs, new or existing
- Application on metal roofs
- Usable on polyurethane membranes (SPF)
- Advantageous for applications on existing waterproofing systems
- Suitable for surfaces exposed to weathering and UV rays
- Applicable also on roofs subject to permanent standing water

SPECIFICHE TECNICHE

Packaging

25 kg bucket

Color

White, yellow.

Appearance

Liquid.

Shelf life

12 months from production date.

Storage conditions

Store properly in the original, sealed, intact packaging, protected from frost and direct sunlight exposure, at temperatures between +5°C and +30°C.

APPLICATION DATA

Theoretical consumption

0.6-0.8 kg/m² per coat

Coverage

~ 18 m² per package

Thinner

Water.

Application temperature

Minimum +5°C | Maximum +40°C

APPLICATION INFO

Substrate preparation

Surfaces must be carefully prepared to ensure proper adhesion of the coating and durability of the waterproofing system. The substrate must be clean, dry, sound, and free of any contaminants that could interfere with product anchorage.

It is necessary to completely remove dust, dirt, loose paint, processing residues, cement laitance, oils, greases, release agents, non-adherent rust, and old sealants. Preparation can be performed by high-pressure washing with suitable detergents, followed by thorough rinsing and complete drying of the surface before product application. Particular attention must be paid to eliminating all non-adherent or friable elements, in order to obtain a continuous substrate suitable for creating a high-performance and durable waterproof membrane.



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Product preparation

Drykos® **Drytop** is a ready-to-use product and must not be diluted. Before application it is necessary to mix the product thoroughly using a low-speed mechanical agitator (approximately 300–400 rpm) for a minimum of 3 minutes, in order to obtain a homogeneous and uniform consistency, avoiding air entrapment in the mass. During application operations, particularly in conditions of high temperature or humidity, it is recommended to maintain the product under slow agitation to prevent surface skinning phenomena inside the container.

Application

Application of Drykos® **Drytop** can be performed by airless spray (recommended method to ensure uniformity and aesthetic finish), roller, brush, or squeegee, depending on substrate characteristics and site conditions. The product must be applied on surfaces with temperatures between +5°C and +60°C, verifying that the substrate temperature is at least 3°C above the dew point, in order to avoid condensation phenomena that could compromise adhesion. The coating must be applied with a thickness sufficient to ensure a continuous and waterproof membrane, generally equal to approximately 500 microns of dry film thickness (DFT). Depending on the application method and substrate nature, it may be necessary to apply the product in multiple coats to achieve the required thickness. On smooth or previously coated substrates, preliminary adhesion testing is recommended.

Tool cleaning

If cleaning of equipment is necessary, use suitable solvents compatible with silicone products. The use of thinners is not recommended.

Other indications

- Do not apply on wet, frozen surfaces or in the presence of condensation.
- Do not use on bituminous shingle roofs or in applications in contact with potable water.
- In case of applications on smooth substrates or existing coatings, verify adhesion beforehand through preliminary testing.
- Avoid prolonged work interruptions with open containers to prevent the onset of surface crosslinking of the product.
- Treated surfaces may be slippery: exercise particular caution during application and maintenance operations.
- 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
Density			1.32 kg/L
Viscosity			4,100 ± 1,000 cP
Shore A Hardness	ASTM D2240		40
Initial tensile strength at +23°C	ASTM D2370/D6694/D6694M	≥ 200 psi (~ 1.38 MPa)	288 psi - 1.98 N/mm2
Initial tensile strength at -18°C	ASTM D2370/D6694/D6694M	≥ 200 psi (~ 1.38 MPa)	376 psi - 2.59 N/mm2
Initial elongation percentage at +23°C	ASTM D2230/D6694/D6694M	≥ 150%	282%
Initial elongation percentage at -18°C	ASTM D2230/D6694/D6694M	≥ 150%	330%
Tear resistance	ASTM D624 - Die B		22 lbf/in ~ 3.85 kN/m



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Characteristic	Test method	Standard requirements	Performance
Adhesion to SPF	ASTM D903/D6694/D6694M	2.0 pli (~ 0.35 N/mm)	3.55 pli ~ 0.62 N/mm
Low temperature flexibility -26°C	ASTM D533/D6694/D6694M		Pass (on 1/2" mandrel)
Permeance	ASTM E96/E96M		4.44 perms (Procedure B)
Solar reflectance (SRI) on smooth substrate	ASTM D7897-18		Initial 0.85 Aged 0.72
Solar reflectance (SRI) on rough substrate	ASTM D7897-18		Initial 0.72 Aged 0.69
Thermal emissivity on smooth substrate	ASTM D7897-18		Initial 0.89 Aged 0.89
Thermal emissivity on rough substrate	ASTM D7897-18		Initial 0.90 Aged 0.91
Thermal stability			-60°C to +200°C
CO2 permeability	EN 1062-6	sD > 50 m	53
Water vapor permeability	EN ISO 7783-1 / EN ISO 7783-2	Class I: sD 5 m	0.75 m
Capillary absorption and water permeability	EN 1062-3	w 0.1 kg/m ² · h0.5	0.002 kg/m ² · h0.5
Pull-off adhesion	EN 1542	≥ 0.8 N/mm ²	1.2 N/mm ²
Hazardous substances	EN 1504-3		Compliant with point 5.4

ENVIRONMENT AND SAFETY

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

Product for professional use.



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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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