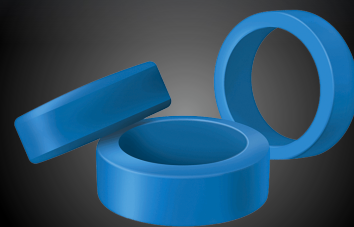


Washerseal

Hydro-expansive rubber ring gasket for tubular blade formwork spacers



Drykos® **Washerseal** is a hydro-expansive ring gasket made of special hydro-reactive rubber that, upon contact with water, reacts by significantly increasing its initial volume. The product is designed for use in combination with tubular spacers for metal formwork, in order to guarantee the waterproof sealing of the spacer's crossing points in the concrete pour. The presence of tubular spacers can, in fact, generate through-discontinuities within the masonry, which represent a potential preferential path for water infiltration. The hydro-expansive action of Drykos® **Washerseal** allows these discontinuities to be compensated for, ensuring a permanent airtight seal.

In the standard version, Drykos® **Washerseal** is sized for use with tubular spacers having an internal diameter of 21.5 mm, without external ribs, commonly used in metal formwork in construction, generally characterized by an external diameter of approximately 24 mm. Thanks to the high elasticity of the material, the gasket is also able to adapt to spacers with a larger external diameter, up to approximately 30 mm. Do not use Drykos® **Washerseal** in combination with spacers with an external diameter of less than 23.5 mm, as it would not guarantee the correct functionality of the sealing system.

CHARACTERISTICS

Main characteristics

- Guarantees the waterproof sealing of tubular spacers in metal formwork
- Automatic hydro-expansive action upon contact with water or moisture
- Effectively compensates for through-discontinuities and micro-voids generated by the spacer
- Prevents the formation of preferential infiltration channels in the masonry
- High elasticity and ability to adapt to dimensional tolerances of the spacer
- Passive, permanent, and maintenance-free system
- Simple and quick installation during the formwork phase
- Improves the durability and waterproofing of concrete structures

Fields of use

- Sealing of tubular spacers for metal formwork
- Reinforced concrete structures where high waterproofing is required
- Underground or below-grade works
- Foundation walls, shear walls, and concrete walls
- Tanks, technical rooms, and structures subject to the presence of water
- Civil, industrial, and infrastructural works



SPECIFICHE TECNICHE

Packaging

Bag of 100 pieces

Color

Blue.

Appearance

Rubber element.

Shelf life

24 months from the production date.

Storage conditions

The product is sensitive to moisture and must be stored exclusively in the original intact containers, in a dry and protected environment. The storage temperature must be between +5°C and +35°C.

APPLICATION DATA

Theoretical consumption

Depending on the number of tubular spacers per m² (formwork layout).

Coverage

1 piece for each "blade" formwork spacer.

Application temperature

Minimum +5°C | Maximum +35°C

APPLICATION INFO

Substrate preparation

Before installation, verify that the tubular spacers are clean, intact, and comply with the specified dimensions.

Application

Insert Drykos® **Washerseal** onto the tubular spacer, ensuring that the gasket is correctly positioned at the midpoint of the pour thickness to guarantee uniform sealing on both sides of the wall. Proceed with the assembly of the metal formwork according to standard operating procedures, verifying that the gasket remains stable during reinforcement and pouring operations.

During the concrete pour, the gasket remains embedded in the conglomerate. In the presence of water or moisture, Drykos® **Washerseal** activates its hydro-expansive action, increasing in volume and hermetically sealing the spacer's crossing point.

After stripping the formwork, the spacer is removed according to normal procedures; the gasket remains embedded in the concrete, ensuring a permanent waterproof seal.



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Other indications

- Verify that the tubular spacers used comply with the specified dimensions and are free of deformations, ribs, or surface irregularities that could compromise the correct function of the gasket
- Do not use with spacers having an external diameter of less than 23.5 mm, as it would not guarantee an effective waterproof seal
- Ensure that the gasket is correctly positioned and centered relative to the pour thickness before final assembly of the formwork
- Avoid prolonged contact of the gasket with water or moisture before pouring, in order to prevent premature activation of the hydro-expansive action
- During the formwork, reinforcement, and pouring phases, verify that the gasket does not undergo abnormal displacement or crushing
- Do not use damaged, deformed gaskets or those contaminated by oils, greases, or other agents that may alter their hydro-expansive behavior
- For anything not covered, contact Technical Support at +39 0171 1874992 or write to info@drykos.com

ENVIRONMENT AND SAFETY

Safety

The product is classified as an article and, in accordance with Regulation (EC) No. 1907/2006 (REACH), does not require the preparation of a Safety Data Sheet. During handling and use, the use of appropriate personal protective equipment, such as gloves and protective goggles, and compliance with the safety procedures provided at the workplace is nonetheless recommended.

Use

Product 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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