



Rondo

Elastomeric sealing collar for waterproof sealing of pipe penetrations in concrete

Drykos® **Rondo** is a preformed elastomeric sealing collar, manufactured from a high-elasticity TPE compound, designed for the permanent and waterproof sealing of pipe penetrations in concrete structures such as plastic, steel, fiber cement, stoneware, and corrugated pipes.

The system consists of a flexible element with a multi-lip profile, supplied complete with stainless steel clamping bands, which ensure perfect adhesion to the pipe and prevent infiltration along the pipe-concrete interface. Installed directly on the pipe before casting, Drykos® **Rondo** is embedded in the concrete, creating a continuous physical barrier against water penetration, even in the presence of hydrostatic pressure and gas. Thanks to its high elasticity and deformation capacity, the system is able to absorb movements and dimensional tolerances, ensuring a long-lasting seal over time.

CHARACTERISTICS

Main characteristics

- Pipe penetrations in concrete walls and slabs
- Underground structures (foundations, technical rooms, parking garages)
- Tanks, reservoirs, and hydraulic works
- Civil and industrial installations
- Sewer systems and drainage networks
- Protection against water and gas infiltration (e.g., radon)

Fields of use

- Permanent waterproof pipe/concrete sealing
- Water pressure resistance up to 10 bar
- High elasticity and adaptability to the pipe
- Simple and fast installation
- Pre-assembled system ready to use
- Resistance to chemical agents, alkalis, bitumen, and gases
- Certified seal also against radon
- High durability over time



SPECIFICHE TECNICHE

Packaging

Available in various diameters (from ø 25 mm to ø 710 mm)

Color

Green.

Appearance

TPE elastic flange.

Shelf life

The product has no storage limitations if correctly stored.

Storage conditions

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

APPLICATION DATA

Theoretical consumption

1 piece per pipe

Application temperature

Minimum +5°C | Maximum +35°C

APPLICATION INFO

Substrate preparation

The pipe must be clean, dry, and free from dust, grease, oils, or other contaminants that could compromise the adhesion of the collar. Before installation, it is necessary to verify the dimensional compatibility between the external diameter of the pipe and the clamping range of the collar. In case of particularly cold or rigid surfaces, it is recommended to immerse the collar in lukewarm water for a few minutes to increase its flexibility and facilitate installation.

Application

Drykos® **Rondo** must be installed on the pipe before installation and concrete casting. The collar is inserted onto the end of the pipe and slid to the intended position, then centered with respect to the thickness of the structural element (wall or slab), to ensure uniform distribution of the sealing zone. Subsequently, the stainless steel bands must be tightened using suitable tools to ensure stable adhesion to the pipe, preventing displacement during casting operations. During concrete casting, it is essential to ensure proper compaction of the material around the collar, avoiding the formation of voids or honeycombing that could compromise the system's seal.

A minimum concrete cover of 5 cm and a minimum distance from reinforcement or other elements of at least 3 cm must be ensured.

Once embedded in the concrete, the system creates a continuous barrier that permanently prevents water penetration along the external surface of the pipe.



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Other indications

- Use only collars sized according to the pipe diameter
- Do not install on dirty or contaminated pipes
- Ensure proper tightening of the bands
- Avoid displacement during casting
- Ensure adequate concrete compaction
- Respect concrete cover and minimum distances
- 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			1.17 kg/dm ³
Hardness			55 ± 5 Shore A
Elongation at break			~ 380%
Tear resistance			~ 6.5 N/mm ²
Operating temperature			-30°C / +70°C

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 operations, however, the use of appropriate personal protective equipment, such as gloves and safety glasses, is recommended, along with compliance with the safety procedures established in the workplace.

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.

