



Jointseal Tape RVX

Hydro-expansive waterstop joint based on polyethylene, butyl rubber, and polymer binders

Drykos® **Jointseal Tape RVX** is a preformed hydro-expansive waterstop joint, based on polyethylene, butyl rubber, resins, and elastomeric binders, designed for sealing construction details and small joints.

Its specific composition ensures high long-term stability, excellent mechanical resistance, and high elasticity. Upon contact with water, the material activates a gradual and controlled expansion process, capable of ensuring effective and permanent sealing even in the presence of hydrostatic pressure.

Drykos® **Jointseal Tape RVX** maintains its swelling capacity unaltered even after numerous hydration and dehydration cycles, adapting perfectly to confined spaces and guaranteeing the system's tightness over time.

Thanks to its small cross-section and the flexibility of the material, it is particularly suitable as a safety waterstop in combination with Drykos® **Jointsteel** jointing systems, contributing to the overall reliability of the waterproofing system.

It is supplied with a rectangular cross-section of 18 × 5 mm in 15 m rolls.

CHARACTERISTICS

Main characteristics

- High mechanical resistance and elasticity
- Gradual and controlled expansion upon contact with water
- Performance stability even after repeated hydration/dehydration cycles
- Unalterable composition over time
- High hydraulic seal up to 12 bar (≈ 120 m water column)

Fields of use

- Sealing of construction joints in concrete structures subject to constant presence or significant pressure of water
- Horizontal and vertical construction joints
- Foundations and slabs in the presence of groundwater
- Retaining walls and underground structures
- Tanks, reservoirs, and hydraulic works
- Tunnels and underground infrastructure
- Structures subject to high hydrostatic pressures (up to 12 bar)



SPECIFICHE TECNICHE

Packaging

Box of 4 coils x 15 m

Color

Red.

Appearance

Compact bead.

Shelf life

12 months from production date.

Storage conditions

Store correctly in the original, sealed, and intact packaging, protected from moisture, frost, and direct exposure to sunlight, preferably at temperatures between +5°C and +35°C. Unsuitable storage conditions may compromise the rheological performance of the material.

APPLICATION DATA

Theoretical consumption

1 m per linear meter

Application temperature

Minimum -20°C | Maximum +50°C

APPLICATION INFO

Application

Drykos® **Jointseal Tape RVX** is primarily used as a complementary element in joint waterproofing systems, particularly in combination with Drykos® **Jointsteel** structural waterstops. The product can be easily positioned by simple insertion into the pre-arranged seats of the Drykos® **Jointsteel** system, where it functions as a secondary hydro-expansive barrier, increasing the safety of the hydraulic seal.

Alternatively, for sealing construction details or small passing bodies (steel, concrete, or PVC pipes), the bead must be applied directly to the substrate by bonding with a suitable adhesive such as Drykos® **Jointseal T**, ensuring perfect adhesion and system continuity.

The ends of the bead must be butted together for at least 5 cm (without overlapping) to ensure sealing continuity. Positioning must ensure adequate confinement by the concrete, with an indicative minimum coverage of at least 8 cm per side, to contain expansion and maximize the system's effectiveness.

During the installation phase, it is necessary to avoid prolonged contact with water before casting to prevent premature expansion of the material.



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Other indications

- However, it is recommended to carefully check the condition of the bead before pouring concrete in cases of: intense weather events with prolonged submersion of the material; exposure to atmospheric agents for several days before casting; environments characterized by high humidity, persistent fog, or stagnant water in direct contact with the bead
- Do not apply to structures immersed in water at the time of installation. Any free water present on the surface must be removed beforehand
- The product must not be used on surfaces heavily contaminated by aggressive substances such as acids or solvents. In such conditions, it is necessary to proceed with thorough cleaning of the substrate and evaluate application suitability in advance
- Do not install the bead in the absence of adequate confinement.
- It is not suitable for creating structural joints or expansion joints
- Reinforcement spacers must be placed at an adequate distance from the bead so as not to interfere with the correct expansion of the material
- 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
Bulk density	EN ISO 1183		1.2 kg/dm ³
Shore A Hardness	EN ISO 868		40
Elongation at break	EN ISO 527		≥ 650%
Tensile strength	EN ISO 527		≥ 3.5 N/mm ²
Expansion			≥ 500%
Hydrostatic pressure resistance			12 bar

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, it is nevertheless recommended to use appropriate personal protective equipment, such as gloves and protective goggles, and to comply with the safety procedures established at the workplace.

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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