



Jointsteel X

Galvanized steel cross profile for the watertight sealing of controlled crack and contraction joints in vertical pours

Drykos® **Jointsteel X** is a technical element for creating and sealing predetermined crack joints, consisting of a coated jointing sheet combined with crack inducers designed to guide the opening of cracks in concrete in a controlled manner.

The system is manufactured according to the configuration of Drykos® **Jointsteel X** profiles, composed of a coated jointing panel, perforated containment guides fixed on both sides, and additional containment brackets, which ensure correct positioning and optimal stability during the installation and pouring phases.

Joints between profiles are made by overlapping the adhesive coating and subsequently fixing them with the specific Drykos® **Connection kit**, ensuring the continuity of the joint's watertight seal.

The profile is coated with a special high-adhesion flexible layer that bonds effectively to the concrete, ensuring a reliable and durable seal of the predetermined crack joint. A peelable protective film, applied over the entire surface of the coating, protects the system from contamination and must be removed before the concrete pour.

Drykos® **Jointsteel X** is also suitable for applications in the presence of pressurized water, guaranteeing the hydraulic seal of the joint up to a maximum persistent hydrostatic pressure of 2 bar, equivalent to approximately 20 m of water column.

CHARACTERISTICS

Main characteristics

- Enables the controlled creation of predetermined crack joints, guiding the opening of cracks in a pre-established position
- Guarantees the watertight sealing of the joint, limiting the penetration of water and aggressive agents
- Improves the control of concrete shrinkage and cracking phenomena
- Structure composed of a jointing sheet, guides, and containment brackets that ensure stability and correct positioning during the pour
- Can be fixed using containment guides or hinged perforated brackets for quick and versatile installation
- Special high-adhesion flexible coating that bonds effectively to the concrete
- Promotes the durability of structures by reducing the risk of degradation due to infiltration
- Suitable for applications in water-impermeable structures and in humid or aggressive environments
- Ensures high hydraulic reliability even in the presence of pressurized water up to 2 bar

Fields of use

- Creation of predetermined crack joints in concrete structures
- Cast-in-place concrete pours
- Civil, industrial, and infrastructural works
- Underground or earth-retaining structures
- Tanks, technical rooms, and works subject to controlled movements or dimensional variations



SPECIFICHE TECNICHE

Packaging

W 125 mm - Length 250 cm

W 125 mm - Length 300 cm

Color

Steel

Shelf life

No limit if stored correctly.

Storage conditions

Store correctly in the original, sealed, and intact packaging, protected from moisture, frost, and direct exposure to sunlight.

APPLICATION DATA

Theoretical consumption

1 m per linear meter

Application temperature

Minimum -10 °C | Maximum +40 °C

APPLICATION INFO

Application

The cast-in-place concrete element is prepared with the Drykos® **Jointsteel BW** joint sheet already installed and functioning as a waterproofing element for the slab/wall joint.

The Drykos® **Jointsteel X** profile is positioned vertically and overlapped with the joint sheet with a minimum overlap of 5 cm, ensuring the continuity of the system's watertight seal.

The Drykos® **Jointsteel X** profile is fixed to the reinforcement using the perforated and hinged containment brackets, appropriately bent and tied to the metal reinforcement, ensuring the correct positioning and stability of the profile during the pour. The overlap area between the Drykos® **Jointsteel X** profile and the slab/wall joint sheet is further secured using two Drykos® **Fixing Clips** to ensure the continuity of the waterproofing system. Once the installation of the Drykos® **Jointsteel X** profile is complete, it is possible to proceed with the pouring of the subsequent cast-in-place concrete wall element.

Other indications

- Use for walls up to 365 mm thick
- For correct installation of the complete waterproofing system, please refer to the Drybox System® Application Protocol
- For anything not covered, contact Technical Support at +39 0171 1874992 or write to info@drykos.com



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

Last update 07/02/2026

2 of 3

TECHNICAL PERFORMANCE

Characteristic	Test method	Standard requirements	Performance
Length			2.5 m / 3 m
Height			160 mm
Length of containment guides			2 m
Thickness of containment guides			60 mm

ENVIRONMENT AND SAFETY

Safety

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

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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