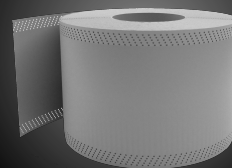


Flexstrip 250

FPO waterproofing sealing tape for watertight expansion joints



Drykos® **Flexstrip 250** is a high-performance elastomeric waterproofing tape made of special FPO (flexible polyolefin), designed for sealing and waterproofing expansion joints subject to movement. The product is characterized by high elasticity, mechanical strength, and durability, making it suitable for applications in demanding conditions, even in the presence of hydrostatic pressure. The specific design with perforated edges allows for excellent integration with epoxy adhesives, ensuring perfect adhesion and the creation of a monolithic system between the substrate, adhesive, and tape. Drykos® **Flexstrip 250** is suitable for civil, industrial, and infrastructural applications, in both underground and above-ground structures.

CHARACTERISTICS

Main characteristics

- High elasticity and deformation capacity even at low temperatures
- High tensile and tear strength
- Resistance to aging and weathering
- High UV resistance
- Resistance to numerous chemicals and aggressive environments
- Suitable for applications in the presence of hydrostatic pressure
- Perforated edges to improve adhesion and bonding with epoxy adhesive
- High system durability over time
- Quick and easy installation
- High application safety even in complex conditions

Fields of use

- Expansion joints in concrete structures
- Joints subject to high structural movements
- Tunnels and underground works
- Tanks, reservoirs, and swimming pools
- Silos and industrial works
- Basements and underground structures
- Prefabricated roofing
- Hydraulic and infrastructural works



SPECIFICHE TECNICHE

Packaging

W 250 mm - 20 m roll

Color

Grey

Shelf life

12 months from production date.

Storage conditions

Store in original intact packaging in a dry, clean environment, protected from dust, moisture, and weathering. The product must be protected from direct exposure to sunlight and heat sources, avoiding storage conditions that could alter its physical-mechanical characteristics.

APPLICATION DATA

Theoretical consumption

1 meter per linear meter.

Coverage

20 linear meters of joint per roll.

Application temperature

Minimum +5°C | Maximum +35°C

APPLICATION INFO

Substrate preparation

Surfaces intended for application must be adequately prepared to ensure optimal system adhesion. Concrete substrates must be solid, free of loose parts, dust, oils, grease, release agents, or existing coatings, through sandblasting, shot blasting, or equivalent mechanical preparation, followed by thorough cleaning. The concrete must have adequate tensile strength ($\geq 1.5 \text{ N/mm}^2$) and sufficient curing before application. Metal surfaces must be perfectly clean and free of oxidation, while plastic substrates must be appropriately roughened to promote adhesion.

Application

Drykos® **Flexstrip 250** is applied by bonding with Drykos® **Epomatrix** epoxy adhesive, spread uniformly on the sides of the joint with a notched trowel at an appropriate thickness. The tape is then positioned on the fresh resin, pressing it carefully to ensure full contact with the substrate and to eliminate any air bubbles or discontinuities. Correct installation is ensured when the epoxy adhesive extrudes through the lateral perforations of the tape. Subsequently, a further layer of Drykos® **Epomatrix** is applied to the edges of the tape to protect it and ensure system continuity. Any joints between tapes must be made by overlapping and hot-air welding, ensuring the hydraulic continuity of the system. Mechanical and adhesion performance develops progressively, reaching significant values after 24 hours and final performance after approximately 7 days.



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Other indications

- Apply the product exclusively to adequately prepared substrates.
- Ensure system continuity through correct installation and welding of joints.
- Avoid application in unsuitable environmental conditions (condensation, excessive humidity, frozen surfaces).
- Verify the compatibility of the adhesive with the substrate beforehand.
- 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
Unit weight			988 g/m²
Width			250 mm
Thickness			1 mm
Shore A Hardness			87
Longitudinal tensile strength	EN ISO 527-3		241.4 N / 15 mm
Lateral tensile strength	EN ISO 527-3		221.8 N / 15 mm
Elongation at break	EN ISO 527-3		900 %
Stress at 25% elongation	EN ISO 527-3		42.7 N/mm
Stress at 50% elongation	EN ISO 527-3		49.2 N/mm
Resistance to hydrostatic pressure	EN 1928 B		> 4.0 bar
UV resistance	EN ISO 4892-3		6500 h
Tear resistance	EN 12310-2		100 N
Tensile adhesion with Drykos® Epomatrix bonding			> 7 N/mm²
Fire resistance	EN 4102		B2

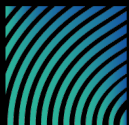
ENVIRONMENT AND SAFETY

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, it is nonetheless recommended to use appropriate personal protective equipment, such as gloves and protective eyewear, 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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