

Data sheet

DRYpox Hypalon tape

Tape for the flexible waterproofing of expansion joints and cracks

DESCRIPTION	Tape for waterproofing expansion joint, construction joints and cracks.
USAGES	<p>DRYpox Hypalon tape is highly versatile and may be used wherever and moisture penetrates through structural elements, such as:</p> <ul style="list-style-type: none">> structural elements in contact with the ground;> basements and underground garages;> storage tanks;> drains and depuration plants;> swimming pools;> mines and tunnels;> power stations;> roofs and facades.
TECHNICAL CHARACTERISTICS	<ul style="list-style-type: none">> Heat-weldable.> High expandable.> Excellent adhesion to epoxy adhesives such as DRYpox glue.> Flexible and deformable (including at low temperatures) with good tensile properties.> Easy to apply.> Rapid application, safe and non-hazardous for users.> High watertightness.> Good resistance to root penetration according to FLL test procedures.> Long-term resistance to microbes and hydrolysis.> High resistance to UV rays, atmospheric agents and ageing.> Good resistance to a wide range of chemical products.> Non-flammable.



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RECOMMENDATIONS

In the event of permanent contact with liquids at high temperatures, it is necessary to evaluate the possibility of using the product and therefore contact the Drytech Service Department.

APPLICATION PROCEDURE

All joints to be waterproofed must be clean, free from all traces of dust, rust, oil and grease and any areas which are either uneven or loose.
Apply DRYpox Hypalon tape on surface using DRYpox glue two component, thixotropic, epoxy adhesive.
Firstly apply a 1-2 mm thick uniform layer of adhesive with a smooth trowel; avoid applying the adhesive inside the joint. Lay DRYpox Hypalon tape by pressing lightly along the sides of the tape. Make sure that all wrinkles and creases are eliminated and that air bubbles are not formed. Apply a second layer of DRYpox glue while the first is still fresh (wet-in-wet), completely covering the sides of the tape with the new layer of adhesive. Smooth off the product with a flat trowel and sprinkle on a layer of quartz sand to create a rough surface.
When the pieces of tape are joined by heat-welding, overlap the edges by at least 30 mm and secure them in position by spot welding them at a temperature of approx. +360°C.
Then, during welding operations, the nozzle must advance slowly and the joint must be pressed with roller immediately after completing the weld. When the tape is in service, it must be protected against mechanical wear and temperatures constantly above +70°C.

PACKAGING

Width: 100 /200 /250 mm.
Thickness: 1 mm.
Length of roll: 20 m.

STORAGE

Store DRYpox Hypalon tape in a dry, dust-free area protected from aggressive chemicals at a temperature of -5°C to +35°C.

SAFETY INSTRUCTION FOR PREPARATION AND APPLICATION

DRYpox Hypalon tape is an article and referring to the current European regulation (reg. 1906/2007/EC - REACH) does not require the preparation of the Safety Data Sheet. During use it is recommended to wear gloves and goggles and follow the safety requirements of the workplace.
PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA

PRODUCT IDENTITY

Thickness (EN 1849-2) (mm):	2.0
Mass per unit area (EN 1849-2) (g/m ²):	1,900
Permeability to water vapour (EN 1931):	μ = 30,000
Material:	TPE
Surface:	smooth
Colour:	light grey
Tensile strength (EN 12311-2) (MPa):	≥ 8 (longitudinal) ≥ 6 (trasversal)
Elongation at failure (EN 12311-2) (%):	≥400 (longitudinal and transversal)
Tear strength (EN 12310-2) (N):	≥50 (longitudinal and transversal)

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<i>Watertightness (EN 1928) (bar):</i>	up to 8
<i>Service temperature (SIA V289/3-4):</i>	from -30°C up to maximum +60°C
<i>Foldability at low temperature (EN 495-5):</i>	≤ -30°C
<i>Resistance to UV rays (EN 1297):</i>	pass (> 5000 h/grade 0)
<i>Reaction to fire (EN 13501-1) (Euroclass):</i>	E
<i>Hardness Shore A (ISO 868):</i>	approx. 80

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product. Please refer to the current version of the Technical Data Sheet, available from our website www.drytech.ch/download.

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the Drytech product installation.