

TECHNICAL DATA SHEET - SWELLING TAPE HYDRA POLYBAR+

DESCRIPTION

HyDra Polybar+ swellable waterstop is a synthetic rubber-based profile used for waterproofing construction joints in concrete structures. When exposed to water, the strip swells and generates high expansion pressure against the surrounding concrete. This results in an exceptionally high sealing performance – up to 8 bar.

The swellable strip also has a self-adaptive effect, as it conforms to irregularities and minor imperfections in the concrete.

KEY FEATURES

- Very high swelling capacity
- High dimensional stability after repeated wet/dry cycles
- User-friendly and easy to install
- Lightweight with maximum elasticity
- Tested for water pressure up to 8 bar
- Radon-tested and radon tight at thickness > 20mm
- Suitable for both vertical and horizontal applications
- Resistant to a wide range of chemicals
- Lifetime statement from manufacturer: 120 years

TECHNICAL INFORMATION

DESCRIPTION	VALUE
Colour	Blue
Density	1,22 g/cm ³
Hardness	35° Shore A
Swelling pressure (encapsulated)	1,3 N/mm ²
Tensile Strength	>2 MPa
Elongation at break	>400%
Resistance to hydrostatic pressure	Up to 8 bar
Temperature range	-20°C to +75°C
Volume expansion in rainwater	>500%
Volume expansion in concrete water	>400%
weather resistance	Excellent
Chemical resistance*	Good

*= Limited resistance to aromatic oils, vegetable oils, fuels, and strong solvents.
Contact us for more information.

RANGE OF ARTICLES

Item.nr	Decription	Width (mm)	Height (mm)	Lenght (m)	Unit/pcg	Unit
1112010	Swelling Tape HyDra Polybar+ 20/5	20	5	10	50	m
1112011	Swelling Tape HyDra Polybar+ 20/10	20	10	10	70	m
1112012	Swelling Tape HyDra Polybar+ 20/20	20	20	5	35	m

ENVIRONMENTAL & SUSTAINABILITY

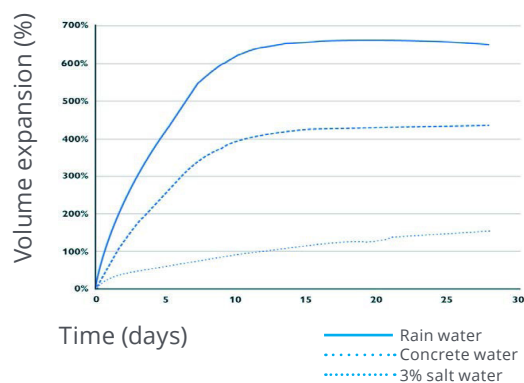


BVB ID
117435



INSTALLATION

- Not suitable for expansion joints
- Joints must be installed squared-buttet and tight
- Minimum concrete cover: 60 mm
- Fix to the substrate with fixing glue or fixing mesh
- Fixing glue is recommended when installing on slightly uneven or/and damp substrates
- Can be applied on concrete, steel or PVC
- For PVC pipe penetrations, the tape must always be secured with fixing blue and tie wire.



Time (days)

— Rain water
... Concrete water
... 3% salt water

STORAGE

Store at temperatures between +5 °C and +25 °C, in a cool, dry place and in the original packaging.
MUST NOT COME INTO CONTACT WITH WATER.