



HydroBar Evo is a hydrophilic waterstop based on synthetic rubber that, with its excellent swelling capabilities, acts as a watertight seal for construction/day joints. The bar retains its own shape after multiple wet / dry cycles. Fixing of the product is recommended using Fixing Glue. Alternatively, HydroBar Evo can be fixed using Fixing Wire with nails.



Description

- HydroBar Evo is a swellable waterstop based on synthetic rubber, which is used to create a watertight seal for construction/day joints.
- HydroBar Evo retains its own shape after multiple wet / dry cycles.
- HydroBar Evo has excellent resistance to salt as well as a wide range of chemicals. For confirmation about compatibility under specific conditions please contact your Manorteq representative.
- HydroBar Evo remains consistent in its performance throughout its life cycle.

Use

- Designed to be easily applied for the sealing of construction/day joints in concrete structures. HydroBar Evo can seal against hydrostatic pressure of up to 6 bar. HydroBar Evo can be used in structures subject to repeat wet / dry cycles.
- HydroBar Evo can be applied both vertically and horizontally. It must not be used in expansion or movement joints.



Volume expansion





Application

- Place HydroBar Evo on a smooth, dust and laitance free surface - concrete or metal. In most instances Fixing Glue will be required.
- Do not install HydroBar Evo during heavy rainfall, as it may result in swelling before the concrete has been poured.
- Avoid all contact with water before concrete casting.
- HydroBar Evo should be positioned so that it is a minimum of 80 mm from any exposed surface of the concrete.
- Fixing is recommended with Fixing Glue.
- Alternatively, the HydroBar Evo can be secured with Fixing Wire using nails and washers - Fixings at 250 mm centres maximum.
- At joins of the HydroBar Evo, ends must overlap by a minimum of 100 mm, laid side by side, ensuring there is a continuous connection between them. They should not be placed one on top of the other.
- HydroBar Evo can be adhered to PVC pipe penetrations using Fixing Glue. Do not use tie wire on HydroBar Evo.
- HydroBar Evo can be used in salt/saline conditions of up to a 3% concentration. For higher salt environments, polluted areas and situations in contact with manure and slurry, please contact your Manorteq representative.

Technical Data

Material	Synthetic rubber - hydrophilic polymer
Colour	Blue
Hardness	25° Shore A
Tensile Strength	> 2 MPa
Elongation	> 400 %
Density	1.22 g / cm ³
Temperature Range	- 20 °C – + 75 °C
Swelling capacity in rainwater	< 1.000 %
Swelling capacity in concrete water	< 700 %
Chemical Resistance taken	Good overall chemical resistance, but care should be taken with aromatic oils and fuels, vegetable oils and strong aromatic solvents. Contact your Manorteq representative for more information.





Dimensions

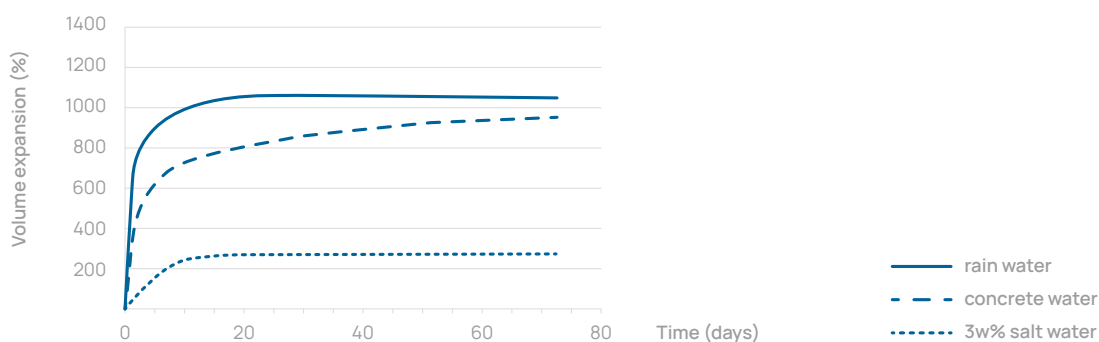
Product size	20 mm × 5 mm
Roll	10 meters
In a box	5 × 10 meters
Boxes per pallet	60

Storage

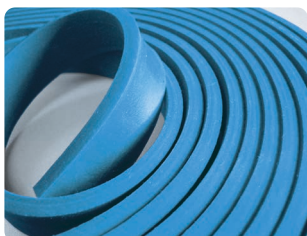
HydroBar Evo must be covered from rain and moisture and clear of the ground.

- Protect the materials from all sources of moisture and frost.
- Shelf life is 2 years from date of manufacture.
- Storage temperature must be between 5 °C and 30 °C.

HydroBar Evo Expansion Capacity



Installation





MANORTEQ

Completing the Waterproofing

HydroBar Evo

TECHNICAL DATA SHEET

Certificates / Approvals

Please contact your local Manorteq representative for more information.

Warranty

Manorteq Limited (Company No. 13817118) warrants to the purchaser that the products supplied by it shall be free from material defect. Should any of the products be proven defective, the liability to Manorteq Limited shall be limited to (at the choice of Manorteq Limited) either replacement of the proven defective products ex-factory, or refund of the NETT ex-factory purchase price at the date the proven defective products were supplied. Manorteq Limited will not be liable or responsible, to such an extent as permitted by law, for any consequential or direct damages, compensation, costs, expenses, losses or other liabilities that may occur as a result of the defective products. Manorteq Limited makes no warranty as to the merchantability or fitness for a particular purpose and the terms of this warranty are in lieu of all other warranties expressed or implied by law.

Please note: This Technical Data Sheet is for general guidance only. It does not constitute as a detailed guide for a specific application. Due to the unique circumstances of every site, each installation must be assessed on a project-by-project basis as there may be many variables to consider. Independent professional advice should be sought on each installation. The information contained within this Technical Data Sheet is to the best of Manorteq Limited's knowledge and belief, accurate and reliable of the date indicated. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness.

