



SynMastic is a high quality, one component polyurethane adhesive which swells in contact with water. Upon contact with water, the mastic can expand up to 450 % of its original volume. It can be used for both HydroBar Original and HydroBar Evo.

### Description

- SynMastic is used to fill and seal voids between the rough surfaces of the substrate and the HydroBar Original or HydroBar Evo.
- It is also used to fill and seal gaps behind the HydroBar Original or HydroBar Evo, where the Hydrobar has been laid over a tight angle/corner.
- SynMastic can be used as an adhesive to adhere HydroBar Original and HydroBar Evo, where other methods are not possible.

### Application

- No primer is required when applying SynMastic on a clean concrete surface.
- For optimal adhesion, a solid, clean, dust-free, oil-free and fat-free surface is recommended. If required, cleaning with acetone or isopropanol is recommended.
- Optimal adhesion is achieved when the full contact area of the Hydrobar is covered with mastic.
- When used as a bedding material, after application, the HydroBar must be pressed down to ensure full contact with the SynMastic beneath it, thus achieving optimal adhesion.
- When used as a filler, ensure all gaps under, behind or between the HydroBars are filled with SynMastic for the full width of the HydroBar.





### Technical Data

Base	Polyurethane
Colour	Champagne
Curing System	Moisture cure
Application temperature	+ 1 °C to + 30 °C
Skin formation*	120 minutes
Curing rate*	1.8 mm / 24 hr
Hardness	15 ShA
Shrinkage	Max. 4 %
Density	1.37 g / ml
Temperature resistance	- 30 °C to + 90 °C
E-modulus in film (DIN 53504)	0.34 N / mm <sup>2</sup>
Tear strength in film (DIN 53504)	ca. 0.60 N / mm <sup>2</sup>
Elongation at break in film (DIN 53504)	> 800 %
E-modulus in joint (ISO 839)	ca. 0.12 N / mm <sup>2</sup>
Tear strength in joint (ISO 839)	ca. 0.20 N / mm <sup>2</sup>
Elongation at break in joint (ISO 839)	> 250 %

### Dimensions

Cartridge size	310 ml
Box Size	12 Cartridges per box

\* Values may vary depending on environmental factors such as temperature, moisture and type of substrate





### Swelling characteristics

- Adhesive bead extruded, fully immersed in water at 23 °C.

### Storage

SynMastic must be protected from rain and moisture, and kept clear of the ground.

- Maximum 9 months storage from production date in its original unopened carton.
- Storage is recommended in a dry and cool area with temperatures between +5 °C and +25 °C.

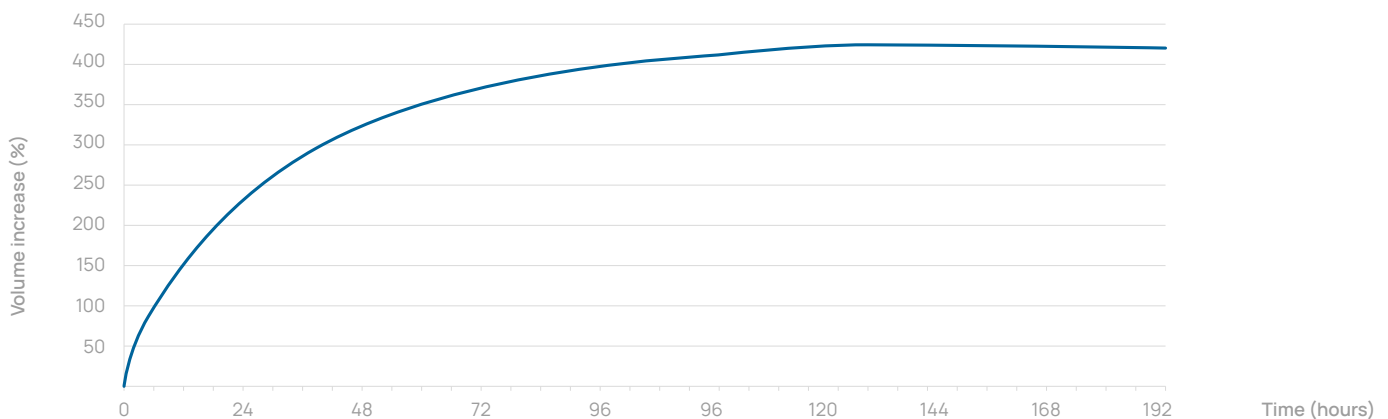
### Certificates / Approvals

Please contact your local Manorteq representative for more information.

### Health & Safety

For full information consult the relevant Material Safety Data Sheet. Always read the Material Safety Data Sheet prior to use.

### Swelling characteristics





### 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.

