



MANORTEQ

Completing the Waterproofing

AquaRend Fix-S

TECHNICAL DATA SHEET

Manorteq AquaRend Fix-S is a steel welded mesh for mechanical bonding of Manorteq AquaRend Thix or Manorteq AquaRend Flow to the substrate.

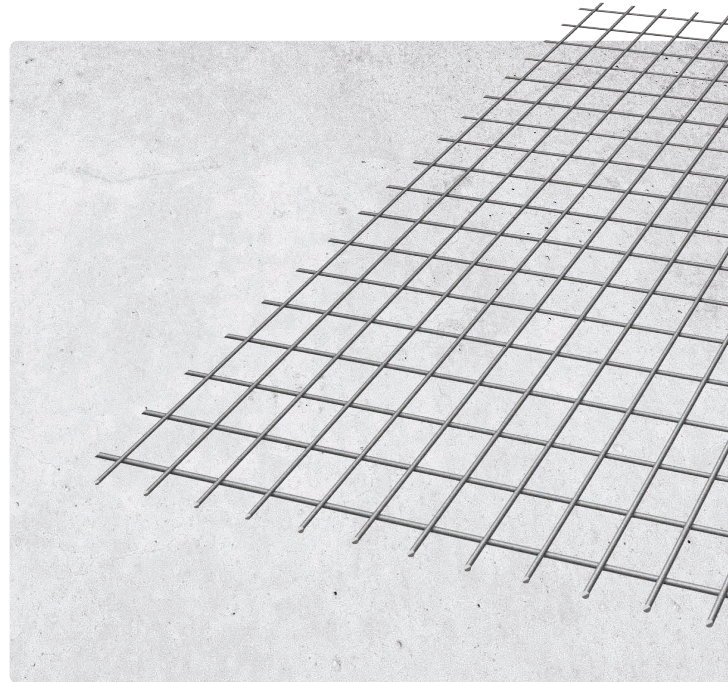
Description

Manorteq AquaRend Fix-S is for the mechanical bonding of Manorteq AquaRend Thix or Manorteq AquaRend Flow to the substrate. It is also recommended for use in the repair of mechanically loaded horizontal areas (such as those subject to high hydrostatic pressure).

Manorteq AquaRend Fix-S is intended primarily for providing additional bond and securing the Manorteq AquaRend range to the substrate, especially where negative pressure is prevalent.

Benefits include:

- Ease of fixing
- Minimal cover of render required
- Suitable for floors with built-in heating
- Ideal for repair of mechanically loaded horizontal areas, such as garages and warehouses etc.





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Technical Data

Properties

Mesh Dimensions (mm)	Length	3000
	Width	1500
Mesh Size (mm)	Length	40
	Width	40
Wire Diameter (mm)		2
Number of wires	Longitudinal	37
	Horizontal	74
Weight (kg)		5.47





Installation

Substrate

1. Prepare the surface as detailed in the relevant Manorteq AquaRend Thix or Flow technical data sheets.
2. Manorteq AquaRend Fix-S is installed by being attached to pre-prepared anchors (either 3 – 6 mm steel bars or screws). Anchoring options are as follows:
 - OPTION 1.
 1. The mesh is fixed to steel bars (3 – 6 mm in diameter), which have been installed in predrilled holes and secured using Manorteq NonShrink Thix.
 2. The centres of the steel bars should not exceed 250 - 300 mm apart.
 3. The depth of the hole containing the steel bar should be a minimum of 65 mm. The bar should be inserted the full depth of the hole and protrude a minimum of 10 mm from the surface.
 - OPTION 2.
 1. The mesh is fixed with screws (3 – 6 mm in diameter) screwed into "screw plugs" in predrilled holes.
 2. The centres of the screws should not exceed 250 – 300 mm apart.
 3. The depth of the hole containing the screw should be a minimum of 65 mm. The screw should be inserted the full depth of the hole and protrude a minimum of 10 mm from the surface.
 4. Recommended number of screws/m² is approximately 6 to 12, dependant on the loading and the nature of the base.

Application

1. Manorteq AquaRend Fix-S can be welded or tied to the steel bars or screws. The mesh must have a minimum gap of 10 mm from the substrate.
2. In chemically aggressive environments please contact your local Manorteq representative for alternative forms of mesh reinforcement.
3. Upon fixing of the Manorteq AquaRend Fix-S, and prior to the re-profiling, the substrate shall be sufficiently moistened. It is typically not recommended to use a bonding agent as the steel mesh and wettened surface usually provide a sufficient bond.

General Notes. When re-profiling larger areas of mortar avoid undesirable mechanical loading (e.g. vibration, deformation, shocks etc.). Failure to do so will affect the bonding of the mesh with the Manorteq AquaRend mortars in the early stages of the curing, and result in lower adhesion to the substrate.

Consumption

Specific consumption of Manorteq AquaRend Fix-S depends on the geometry of the surface. An allowance of 10% more than the surface area is normally enough for offcuts and overlays.





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Packaging

Manorteq AquaRend Fix-S is a metal mesh supplied in sheets of 3000 mm width by 1500 mm length. One sheet is 4.50m².

Storage

Storage and preparation of the mesh for use must take place in a dry environment.

Handling

Appropriate personal protective equipment (PPE) should be worn when handling Manorteq AquaRend Fix-S. Standard working practices for handling steel apply.

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.

