



MANORTEQ

Completing the Waterproofing

FormRing - All versions

TECHNICAL DATA SHEET

FormRing is manufactured from hydrophilic water swellable synthetic rubber. It is an external watertight sealing ring for formwork spacers, tie bolts and tie bolt sleeves.

Description

- Designed and developed to seal spacers against penetrating water that infiltrates on the outside of the spacer/sleeve/bar.
- For sealing the inside of hollow spacers/sleeves, it is recommended to use FormPlug.
- Penetrating water in contact with the FormRing will be stopped by the swelling synthetic rubber.

Application

- Should be installed in the middle, and over the outside, of the formwork spacer, with a minimum concrete cover of 100 mm.
- Due to its very soft and elastic composition, each FormRing can be installed on a variety of spacer diameters (see sizes and packaging).
- Wetting the spacer will make the installation easier.
- Installation of the product under continuous rain should be avoided as premature swelling might occur.
- If premature swelling occurs, the product will return to its original dimensions after drying.

Variations

FormRing	24 – 30 mm external sleeves
FormRing Alt 24mm	24 – 30 mm external sleeves
FormRing Alt 6-8mm	6 – 8 mm bars
FormRing TK	24 – 26 mm external sleeves
GroundSeal	Grounding rods 2 × 20 mm +



Shape and size differ depending on model selected.





Technical Data (Indicative values – no specifications)

	FormRing	FormRing Alt 24mm	FormRing Alt 6-8mm	GroundSeal	FormRing TK
Hardness		± 25° Shore A			35° Shore A
Tensile Strength		› 2MPa			
Ultimate elongation		› 300 %			
Service temperature		- 50 °C / + 70 °C			
Swelling capacity in rainwater		≤ 500 %			
Swelling capacity in concrete water		≤ 400 %			
Swelling capacity in salt water		≤ 200 %			
Weather resistance		Excellent			
Chemical resistance	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 (+/- 1 mm)

Size - inside Ø (A)	24 mm	24 mm	6 mm	2 × 20 mm	24 mm
Size - outside Ø (B)	53.5 mm	32 mm	14 mm	10 × 28 mm	39 mm
Size - width (C)	15 mm	10 mm	10 mm	5 mm	15 mm
Compatible with spacers with external Ø	24 - 30 mm	24 - 30 mm	6 - 8 mm	2 × 20 mm	24 - 26 mm

Storage

FormRing must be protected from rain and moisture and clear of the ground.

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





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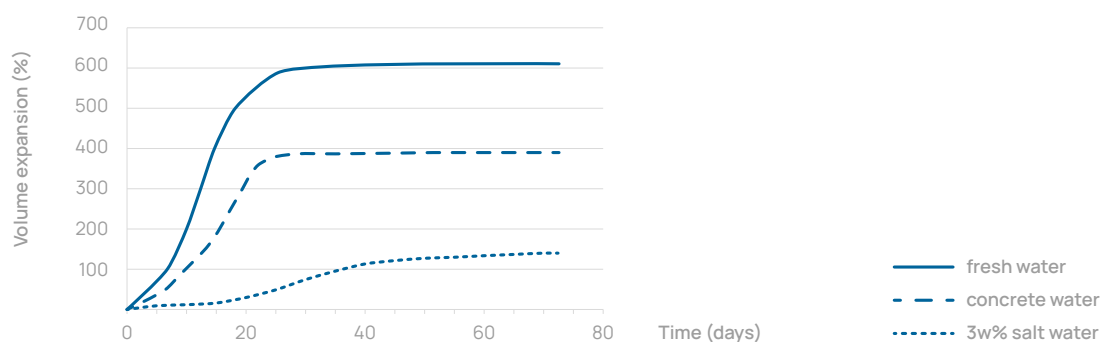
Packing

As a variety of sizes are available, quantities of product per bag, box and pallet differ per product. Contact your Manorteq representative for more information.

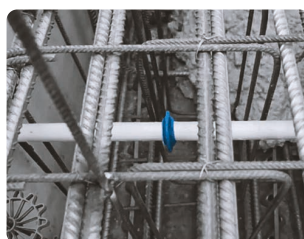
Certificates / Approvals

Please contact your local Manorteq representative for more information.

FormRing Expansion Capacity



Installation





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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.

