



# Technical Data Sheet

## Waterstop

### GENERAL INFORMATION

M3 Waterstop is an effective water repellent liquid based on a solvent free silicone/siloxane emulsion for use above ground.

M3 Waterstop prevents water penetration on otherwise porous brickwork, cement renderings, asbestos, cement/mineral boards, unglazed tiles, cast concrete, rough cast stonework (including calcareous materials, i.e. those containing limestone), wood, canvas, painted surfaces and leather.

Surfaces treated with Waterstop remain permeable to vapour so that moisture within the structure does not remain trapped. During application M3 Waterstop will penetrate crazing on aged masonry paint or render to restore the water repellent properties of masonry coatings.

Waterstop is clear, colourless and specially formulated not to alter the appearance of treated surfaces. The treated masonry surface will prevent the penetration of water at pressures up to approximately 1.4kg/cm<sup>2</sup> (20lbs per sq inch), significantly reducing the seepage rate of floodwater through otherwise porous building fabrics.

Waterstop will become effective through moisture evaporation. Initial surface cure (bleeding) can occur within as little as one hour under good drying conditions, but cold temperature, limited air movement and substrate moisture may all extend the time taken for surface water repellency to develop. The depth of penetration will depend on the type of substrate and moisture content, but will generally be between 4-6 mm. Treated surfaces will remain permeable to water vapour since the rate of evaporation is not retarded allowing the surface to "breathe".



SPECIAL PROPERTIES	
DEEP PENETRATION	✓
HIGH RESISTANCE TO ALKALIS	✓
RAPID DEVELOPMENT OF WATER REPELLENCY	✓
PROVIDES GOOD ADHESION FOR PAINTS	✓
WATER BASED	✓
STABLE IN STORE, EVEN WHEN DILUTED	✓



### GENERAL INFORMATION



Photo illustrating an area of brickwork treated with Waterstop



Photo illustrating an area of brickwork NOT treated with Waterstop

### APPLICATION

The treatment can be applied by various methods including brush, lambs wool roller or coarse spray.

Treatment should start at the highest point working from side to side whilst allowing a "Run-Down" of up to 300mm. Poorly absorbent dense surfaces will require one application. High absorbent surfaces are recommended to have two flood coats applied wet to wet.

### PREPARATION

Substrates should be prepared by cleaning to remove all surface containments, including fungal/mould growths. Mould release agents on pre-cast concretes should be removed completely. Structural defects, particularly mortar joints, re-pointing or rendering must be made good before treatment. Waterstop will not prevent ingress of water through cracks or defective joints - remedial works on mortar and rendering are essential prior to application.

M3 Waterstop is a specialist product and must only be applied by suitably trained and experienced contractors. Protect surfaces liable to be splashed during treatment, especially glass window panes, uPVC window frames, and decorative coatings. In normal circumstances only one application will be necessary. Waterstop should not be applied to surfaces affected by rain or frost.

### COVERAGE

Coverage will depend upon on the porosity of the surfaces to be treated. Average consumption is a 4-5m<sup>2</sup> per litre per coat; this may be reduced to 2m<sup>2</sup> per litre on highly absorbent surfaces.

### PACKAGING

2 Litre concentrate  
(makes 25 litres ready for use)

### CONSUMPTION

4 - 5 m<sup>2</sup> per litre on dense substrates

2 - 3 m<sup>2</sup> per litre on porous substrates per coat

Target coverage rates should be 2 - 4 litres / m<sup>2</sup> per coat

### TECHNICAL SUPPORT

Further information and advice on this product and the full range of M3 Floodtec products call us on 01905 676467.

M3 Floodtec reserve the right to improve specifications from time to time without prior notice. All information is given in good faith and to the best of our knowledge is true and accurate. Customers should satisfy themselves that the products are suitable for the intended purpose.

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