



# TRI-GEL

## ADVANCED CHEMICAL DAMP-PROOFING READY TO USE WATERBASED D.P.C. GEL GUARANTEED EFFECTIVENESS IN DAMP WALLS

TRITON TRI-GEL is a unique chemical damp-proofing product based on an established and time proven active ingredient. TRI-GEL is formulated in a special way to produce a thixotropic gel. This gel consistency allows placement in horizontally drilled holes without dripping or the use of pressure. Traditional pressure injection can be slow and awkward, TRI-GEL is quick and easy to apply which means improved work rates and faster job turn-around.

### KEY BENEFITS

- WATER SOLUBLE/WATER BASED
- TOTAL DISPERSION IN DAMP/WET SUBSTRATES
- LOW ODOUR
- USER FRIENDLY
- USES TIME-PROVEN ACTIVE INGREDIENT
- NO HYDROCARBON SOLVENT
- THIXOTROPIC FOR EASY INJECTION
- NOT RELIANT ON SUBSTRATE ALKALINITY FOR EFFECTIVE CURING
- READY TO USE
- FASTER THAN TRADITIONAL PRESSURE INJECTION
- AVAILABLE IN 1 LITRE CARTRIDGES OR 5 LITRE TUBS

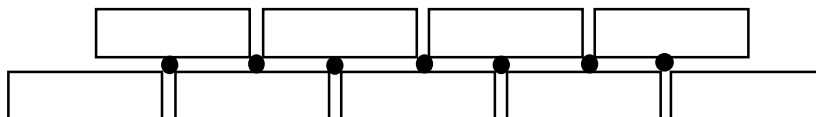
### DESCRIPTION AND USE

TRI-GEL is a water based damp-proofing treatment for walls affected by rising dampness. TRI-GEL is injected into the mortar bed between bricks, stones or blocks via horizontally drilled holes to form a continuous barrier to the passage of moisture from the ground. The UNIQUE formulation allows faster injection without the need for electric d.p.c. pumps. Being water based and water soluble, TRI-GEL is able to diffuse naturally into damp substrates. After injection, TRI-GEL reacts to form a water-repellent Silicone resin network within the capillaries of the substrate. This network is permeable to water vapour which means that the walls can “breathe” and dry out naturally.

### INSTALLATION

Installation should, wherever possible, follow the guidelines laid down in BS6576:1985 “British Standard Code of Practice for Installation of Chemical Damp-Proof courses” and the BWPDA code of practice; “The Installation of Remedial Damp-Proof Courses in Masonry Walls.”

TRI-GEL is injected into 12mm diameter holes; drilled horizontally into the chosen mortar bed at 100-120mm centres or at the perp joint, mortar bed junction (brickwork). See below:



Holes should be drilled to within 20-40mm of the far face of the wall being treated. Treatment can be carried out from one or both sides of the wall as appropriate and convenient. Cavity walls would normally be treated from both sides. The holes should be filled to within 10-20mm of the front face of the wall and capped with a plug of sand and cement mortar incorporating TRIMIX 1 or with a D.P.C wall plug. Spillages should be washed away with water before they dry.

When dry substrates have to be treated to complete an installation for contractual or guarantee reasons, we recommend that the drilled holes are thoroughly flushed with clean water, which is then allowed to soak in, before applying the TRI-GEL in the normal manner.

## **METHODS OF APPLICATION**

1. CARTRIDGE TRI-GEL is available in 1 litre cartridges which fit into a large skeleton gun. A re-useable nozzle fits directly onto the cartridge. Place the nozzle end two thirds of the way into the injection hole, squeeze the trigger and withdraw the nozzle whilst backfilling the hole.
2. COMPRESSION PUMP TRI-GEL is also available in 5 litre tubs for use with a compression pump. The tub of TRI-GEL is stirred thoroughly before transferring the contents to the pump using a large bore funnel if necessary. Pressurize the pump, insert the nozzle into the injection hole and fill the holes as described above.

## **USAGE RATES**

<u>WALL THICKNESS</u>	<u>Litres/5m</u>	<u>Litres/10m</u>
115mm (4½")	0.5	1.0
225mm (9")	1.0	2.0
340mm (13½")	1.5	3.0
460mm (18")	2.0	4.0

(Usage rates will vary by up to 10% depending on hole depth)

## **PACKAGING**

- 1 Litre H.D.P.E cartridges (Separate nozzle and applicator gun required)
- 5 Litre H.D.P.E Tub

## **STORAGE**

Store in the original containers, tightly closed in a safe, frost-free place. Thoroughly stir tubs before attempting transfer to a compression pump.

Shelf life is a minimum of 12 months in original unopened containers.

## **PRECAUTIONS**

Contains: Potassium methyl siliconate  
Refer to the Material Safety Data Sheet.

## **RELATED PRODUCTS**

Waterproof render additive: TRIMIX 1  
Tanking Mix: T.T.55  
Waterproof epoxy coating: TRIMOL 40

## **PATENT APPLIED FOR, APPLICATION No. 0310321.5**

*The information given in the Data sheet is given in good faith and is based upon knowledge and experience of the materials used. However since the application of the product is beyond the control of Triton Chemical Manufacturing Company, the Company cannot accept any responsibility for any loss or damage resulting from the use of the product outside the scope of the intended use and precautions set out in the Data sheet.*

*For further information contact:*

**Triton Chemical Manufacturing Co. Ltd.**

Unit 5, Lyndean Industrial Estate,  
129 Felixstowe Rd, Abbey Wood, London, SE2 9SG  
Telephone: 020-8310-3929 Fax: 020-8312-0349

Web: [www.triton-chemicals.com](http://www.triton-chemicals.com)

Email: [info@triton-chemicals.com](mailto:info@triton-chemicals.com)

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