

DRYZONE®



Application Guidelines

The world's most rigorously tested rising damp treatment

Dryzone installation instructions:

1.0 The drilling programme

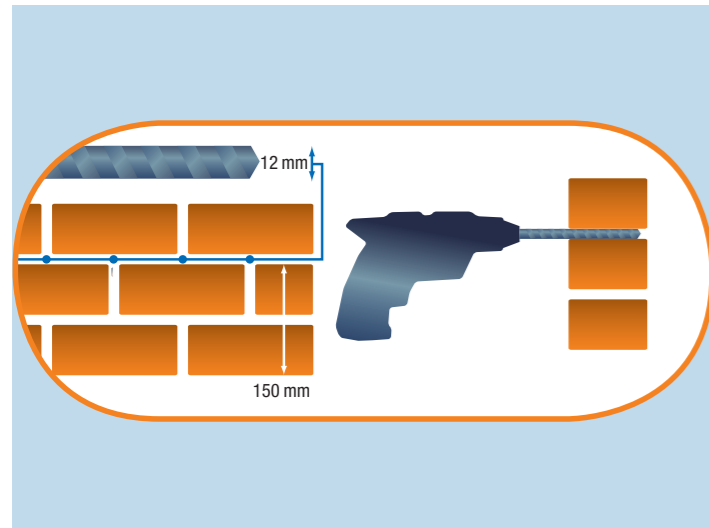
1.1 Drill hole size, depth and location

For treatment to be fully effective the correct volume of Dryzone must be introduced. The system requires 12 mm diameter holes to be drilled at horizontal centres no greater than 120 mm. The depth of hole required for various thicknesses of wall is shown in the table below. For all other walls the depth of hole should be to within 40 mm of the opposite face. In all cases the most effective target site is to drill horizontally, directly into the mortar course, preferably at the base of all perpend of the course selected (see diagram).

Depth of 12 mm drill hole required for Dryzone in various thicknesses of wall:

Depth of 12 mm drill hole required for Dryzone in various thicknesses of wall

Wall thickness	4½" (110 mm)	9" (220 mm)	13½" (330 mm)	18" (440 mm)
Depth of hole required	100 mm	190 mm	310 mm	430 mm
Hole centres	120mm	120mm	120mm	120mm



Usage chart for Dryzone (600ml cartridges)

Wall thickness	4½" (110 mm)	9" (220 mm)	13½" (330 mm)	18" (440 mm)
Length of wall				
10 m	1.5	3.0	5.1	7.0
20 m	3.0	6.0	10.2	13.0
30 m	4.6	9.0	15.3	21.0

Note: different site conditions may cause slight variations. Allow an extra 10% when estimating. The online calculator at www.dryzone.eu can be used to work out the required amount of Dryzone.

1.2 Preparation

As necessary remove skirting boards and/or render/plaster to identify and expose the appropriate mortar course to be targeted for treatment. Measure the thickness of each wall to be treated. Set the depth gauge of the drill or apply tape to the drill bit in order to identify the correct drilling depth accordingly.

1.3 Solid brick walls

In virtually all cases solid brick walls may be drilled/treated from one side only in a single operation. Drill the selected mortar course at the prescribed centres to the appropriate depth in accordance with 1.1.

1.4 Cavity walls

Cavity walls may be drilled/treated from one side in a single operation or if preferred each leaf may be treated separately. When undertaking treatment from one side drill completely through the selected mortar course, allowing the drill bit to pass across the cavity and then drill the other leaf of brickwork to a depth of 100 mm. The viscosity of Dryzone is such that it is possible to treat each leaf from a single drilling operation. Always ensure that the cavity is clear before treatment.

1.5 Random stone and rubble infill walls

As far as practically possible follow the mortar course at the appropriate selected level. If the stone is of a porous type, e.g. sandstone, then there is no reason why this should not be drilled. The variable thickness of stone walls and the possibility of rubble infill dropping and blocking injection holes causes difficulties for any system. Should these difficulties occur it may be necessary to drill to 50% of the wall thickness from both sides at a corresponding height. Alternatively drill additional holes adjacent to obstructed holes to ensure that an adequate volume of Dryzone is introduced.

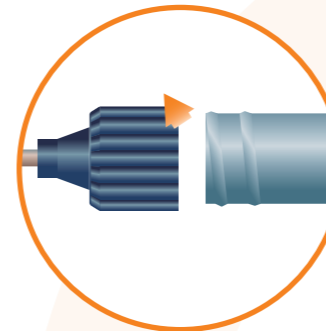


2.0 The injection process and making good

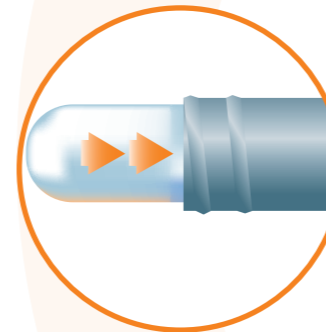
2.1 Dryzone cartridge preparation



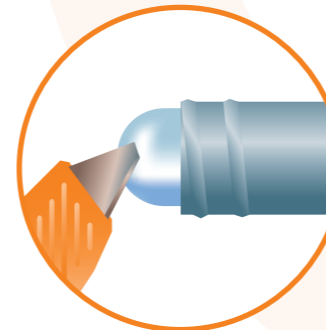
A. Press lever clasp release and pull pressure piston out to maximum position.



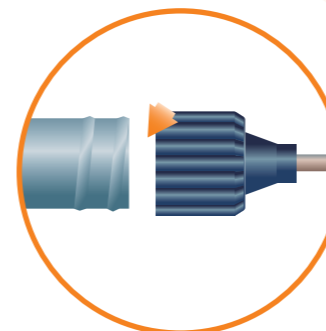
B. Unscrew and remove delivery tube end of the Dryzone application gun.



C. Insert Dryzone cartridge into the barrel of the gun.



D. Cut or puncture the visible end of cartridge in the barrel.



E. Replace delivery tube end of application gun.

2.2 Dryzone injection.

Insert delivery tube of Dryzone application gun into the full depth of the pre-drilled hole. Squeeze the gun trigger and back fill each hole fully with Dryzone to within one centimetre of the surface. When treating cavity walls from one side make certain that the holes in each leaf are filled. Dispose of used cartridges in a plastic bag in accordance with local waste disposal regulations.

2.3 Making good.

All drilled holes should either be plugged or pointed over.

2.4 Replastering.

In common with all remedial damp proof course systems the correct treatment of internal plaster contaminated by groundwater salts is an essential requirement. Replastering can be carried out by re-rendering or by using the Dryzone System.

- **Re-rendering**

For re-rendering a sand/cement mix incorporating Renderguard Gold salt retardant and waterproofing additive is advised. The recommended replastering specification for render is outlined in the Safeguard Renderguard Gold data sheet and the Safeguard publication "Rising Damp and its Control".

- **Dryzone System**

The Dryzone System offers an equally effective alternative method, that offers time and cost savings. By priming the contaminated masonry with a coat of Dryshield Cream, plasterboard or insulation board can be installed directly using the salt and damp resistant Drygrip Adhesive. Salt crystal growth is greatly weakened by the cream and the wall can still dry out. The plasterboard can be dry jointed or given a plaster skim to finish. Full details are available in the "Dryzone System Application Guidelines."

3.0 General information.

3.1 Accidental spillage.

In the event of any accidental spillage of Dryzone, the spilt material should be wiped up immediately and the wipes placed in a plastic bag and disposed of appropriately. Contaminated surfaces should be washed immediately with warm soapy water.

3.2 Health and Safety.

Wear nitrile or similar gloves. Avoid contact with skin. Wear suitable eye protection. Full health and safety data sheet is available upon request.

3.3 BS 6576.

In all cases the new damp proof course should, as far as practically possible, be installed in accordance with the British Standard Code of Practice for the "Diagnosis of Rising Damp in Walls of Buildings and Installation of Chemical Damp-proof Courses" BS 6576.

3.4 Caution.

Dryzone can sometimes spread through wet plaster.

Dryzone has not been designed for surface application and should not be used for this purpose. Some white surface stain may occur around the injection site. Should this occur it will brush off when dry.

Precautions

Read instructions and health and safety data sheet (available upon request) before use.

Product range

Dryzone is available as standard in 600ml foil cartridges as well as 310ml mastic cartridges and 5 litre packs.

Storage

Store in a cool, dry place. Protect from frost.

Guarantees

Call Safeguard on 01403 210204 for details of specialist contractors who offer guarantees on Dryzone installations.

Further information

The Dryzone manual "Rising damp and its control" is available upon request, or can be downloaded free from our websites:

www.safeguardeurope.com

www.dryzone.eu



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Visit www.dryzone.eu to view the Dryzone video.