DRYROD®
THE ULTIMATE RISING DAMP TREATMENT

100% ACTIVE INGREDIENT
PATENTED TECHNOLOGY

THE ULTIMATE RISING DAMP TREATMENT

High Performance Treatment for Rising Damp
NO FUSS • NO MESS • NO STRESS

Call 01403 210204 for more information.
Visit www.safeguardeurope.com for further technical information.
Rising damp and salt damage to walls

Whenever rising damp or salt damage to internal walls is diagnosed, it is important to have the condition correctly treated, as failure to do so can cause further damage and devaluation to any property.

It is not sufficient to simply cover up the problem with a special paint or coating in the hope that the problem will go away. Only by preventing the dampness rising up the internal masonry can an effective treatment be achieved.

Development & performance of Dryrod®

Safeguard Europe Ltd have for thirty years been the foremost innovators and manufacturers of damp treatment products. The development of the patented Dryrod® system has taken over three years of intensive research. The British Board of Agrément and our own internal tests show that Dryrod® outperforms competing products in:

- Old mortar and masonry found in older buildings
- Cavity walls, rubble infill, random stone and single skin walls

Dryrod® is effective even where the wall is:

- Highly saturated
- Cold or warm (it can be used in freezing conditions)
- Very porous
- Highly alkaline (new mortar)
- With low alkalinity (old mortar)

Dryrod® eradicates damp

Dryrod® Damp-Proofing Rods are patented, 12 mm diameter grooved rods that carry a powerful water-repellent material. The rods are inserted into pre-drilled 12 mm holes along the mortar lines of a building. The water-repellent they carry diffuses deeply into the damp masonry, curing to form a highly effective barrier to damp. This forms a damp-proof course which stops further rising damp from occurring and helps the wall to dry out.

Tests have shown that Dryrod® has much better diffusion characteristics than conventional damp-proofing products. Dryrod® has many advantages over conventional damp treatments:

- Deep penetration & proven spread gives a complete treatment every time
- Simple application, just drill and insert rod (no application equipment needed)
- Exact dose in each hole
- Low hazard, non caustic, non-flammable, and solvent free
- Spillage and mess eliminated
- Consistent application, easy to estimate usage
- Superior performance

Comparison

Performance of Dryrod® compared to alternative methods:

![Results of Water Uptake Experiment](www.dryrods.com)
Installation:

Preparation:
Set your SDS drill to rotary hammer.
Select a 12 mm drill bit in excess of 210 mm in length. A Dryzone® drill bit is recommended for enhanced debris removal.
Mark drill bit 210 mm from the tip.

Drilling:
A row of holes should be drilled at 120 mm intervals along the lowest accessible mortar course.
Drill holes the full 210 mm ensuring you reduce your drilling pressure once you are approximately 165 mm into the wall. Reducing pressure ensures a cleaner hole and prevents damage to the far side of the wall.

Where mortar is fully saturated:
Re-drill the holes twice to remove any excess debris.
If excess debris continues to obstruct full rod insertion the Dryzone® System Hole Clearing Tool can be used to ensure the hole is completely clear.

Damp-proofing rod insertion:
Wearing suitable gloves remove the rods one by one from the packet, inserting a single rod into each hole. Ensure the rods are recessed approximately 5 mm from the brick face while trying not to force the rod into the hole.
When installing internally performance will not be affected if the rods protrude where mortar has been eroded. Holes will be covered during redecoration.
No rising damp treatment, no matter how effective it is at creating a barrier to damp, will be able to undo any groundwater salt transfer damage to the wall or to existing plaster. In cases where groundwater salts have already caused decorative spoilage or created persistent damp patches it will be necessary to replaster.

The diagram below illustrates a typical traditional replastering solution. Depending on the situation and time constraints, Safeguard recommend three replastering methods:

- **Traditional** – Dryzone® Damp-Resistant Plaster
- **Hybrid Plasterboard** – Dryzone® Express Replastering System
- **Membrane** – Drybase® Flex Membrane

For further information download our free guide Rising Damp & its Control: www.safeguardeurope.com/rising-damp-guide

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**Replastering:**

1. **Prepare the Wall**
   - Remove damp/salt contaminated plaster.

2. **Install Damp-Proof Course**
   - Install the new damp-proof course using either Dryzone® Damp-Proofing Cream or Dryrod® Damp-Proofing Rods.

3. **Apply Scratch Coat**
   - Apply a rough coat of at least 5 mm thickness. This will act as an anchoring layer.

4. **Apply the Plaster Coat**
   - Once the rough coat has become firm, apply the plaster again with a thickness of at least 15 – 20 mm.

5. **Finishing Coat**
   - Apply the final skim coat using a suitable skim plaster.
**Recommended drilling patterns**

**Stretcher Bond**
In stretcher bond construction the mortar joints fall at approximately 12 cm intervals and can be used to quickly locate your drilling points.

**Flemish Bond**
In flemish bond construction the vertical mortar joints either side of the smaller bricks and the mid point of the larger bricks lie at approximately 12 cm intervals and can be used to locate your drilling points.

**Irregular Stone**
In irregular stone construction drilling points must be measured and care must be taken to make sure the line of rods follow an unbroken line through the mortar at 12 cm intervals.

**Cutting and combining Dryrods® for walls thicker or thinner than 9”**
If the wall is thinner than 9” (230 mm) then cut the rods down 10 mm shorter than the length of the hole. If the wall is thicker than 9” cut a second rod 10 mm less than the excess left after inserting one rod. Dryrod® is also available in pre-cut 85 mm lengths for 4½” internal walls.

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**Rod depth required in various wall thicknesses**

<table>
<thead>
<tr>
<th>Depth of Hole Required</th>
<th>Wall Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4½” (115 mm)</td>
</tr>
<tr>
<td>Depth of Hole Required</td>
<td>95 mm</td>
</tr>
<tr>
<td>Rod Length</td>
<td>90 mm</td>
</tr>
</tbody>
</table>

**Number of rods required for a 10 m stretch of wall**

<table>
<thead>
<tr>
<th>Wall Length</th>
<th>4½” (115 mm)</th>
<th>9” (230 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 m</td>
<td>42 rods</td>
<td>84 rods</td>
</tr>
</tbody>
</table>
Precautions

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

Guarantees

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

Further information

The Dryrod® manual “Rising Damp & its Control” is available upon request, or can be downloaded free from our website:

www.safeguardeurope.com/dryrod

www.dryrods.com