

Used to assess chloride and nitrate levels on site



Product Description

- Used to assess the level of chloride and nitrate contamination on walls when diagnosing dampness problems in buildings.
- Simple to use.
- Sufficient chemicals for ten tests.

Introduction

Certain nitrates and chlorides are deposited by the evaporation of soil water (rising damp) on the surface of walls and floors. A meaningful analysis can therefore be carried out which if positive indicators for both chlorides and nitrates are indicated, then the water that deposited those salts can be said to be soil bound, hence supporting a case for rising damp, as opposed to rain water ingress or a leaking water pipe.

Contents

The Salts Analysis Kit (BLD4900) contains:

- De-ionised water
- Chloride and Nitrate reaction vessels
- Chloride tablet (10)
- Nitrate No 1 Tablets (10)
- Nitrate No 2 Tablets (10)
- Spoon
- Colour Chart
- Instruction Sheet

How to proceed

Collect samples from the surface at the upper margin of the damp area:

Wallpaper: Remove a piece about 50mm x 50mm

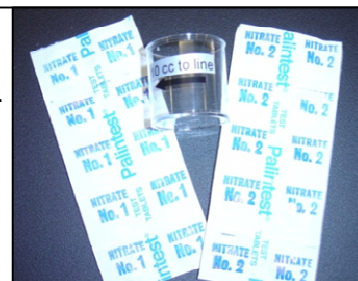
Plaster: Scrape the wall surface not deeper than 3mm

1. Place wallpaper sample or level spoonful of plaster (only use spoon provided) in the container marked 60cc.
2. Fill this container up to 60cc mark with de-ionised water.
3. Shake mixture continuously for 30 to 40 seconds and allow to settle for 1 minute.
4. Pour off some of the liquid into the vial marked 10cc up to the 10cc mark.
5. Use the 10cc vial for the nitrate test and the remaining 50cc solution (in the 60cc vial) for the chloride test.



Test Method for Nitrate

1. To the 10cc vial, add one Nitrate No 1 tablet and allow tablet to dissolve. Solution colour will now be yellow.
2. Add one Nitrate No 2 tablet and shake for 30 seconds.
3. Allow solution to stand for 5 minutes.
4. Observe Colour.



Yellow

No Nitrates present.

Brown

Traces of nitrate present.

Red

Nitrates present in significant quantities.

Test Method for Chloride

1. To the 50cc solution (in the 60cc vial) add one Chloride tablet and shake the container until the tablet dissolves.
2. Observe colour.



Brown

No chlorides present.

Yellow

Chlorides present.

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