

STOP RISING SALT DAMP

The Heritage Way

STOP
RISING
SALT
DAMP

YOUR GUIDE TO...

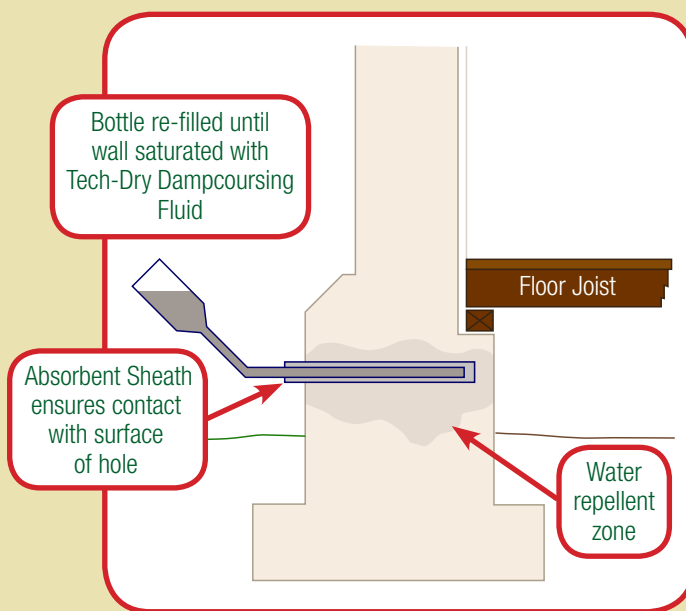
Sheathed Gravity Feed

The Sheathed Gravity Feed method is the most appropriate method of treating walls of greater substance such as solid double brick, stone, bluestone, sandstone and Limestone.

The spacing of the holes and the absorbent nature of the system ensures even horizontal saturation across and along the entire wall. Specially designed tubes covered with an absorbent sheath are inserted into the base of the

GRAVITY FEEDING ALLOWS THE CHEMICAL TO PENETRATE INTO THE PORE STRUCTURE OF THE MORTAR, STONE & BRICK.

wall, bottles are attached and continually filled with Tech-Dry dampcoursing fluid until saturation is achieved across and along the wall.



The Sheathed Gravity Feed Method is considered by Heritage Architects and the relevant Heritage authorities in South Australia to be the most appropriate way of liquid damp coursing substantial walls.

“Gravity feeding, while slower, allows the chemical time to penetrate fully into the pore structure of the mortar, stone and brick and is a more appropriate treatment for walls of hard dense stones (e.g. bluestones) set in soft lime mortars. The chemical is fed into holes in the mortar, and



the higher suction of the adjacent dense stones draws it into them as well.

Chemical DPC's have several advantages, the most obvious being the relative cost and minimal disruption to the masonry. When sufficient chemical is gravity fed into an internal wall at or just above floor level, the chemical can percolate downwards forming a DPC below floor level. The risk of dampness and fungal rot in floor timbers can thus be reduced”¹

WHY PRESSURE INJECTION SHOULD NOT BE USED ON STONE WALLS.

“Pressure injection is quicker, but has a number of drawbacks. It is generally not possible to inject into soft lime mortars as the pressure of injection may lead to blow out of the mortar. Consequently the chemical is injected into the bricks or stones. Some stones are too hard to drill, & some stones & bricks too impermeable for ready penetration of the water repellent chemical. Large voids may exist in thick rubble walls, which as well as wasting chemical will reduce the likelihood of complete penetration of the solid masonry elements.”¹

THE NEXT STAGE

The next stage is just as important as the insertion of the chemical dampcourse. Whilst a new damp course will prevent any further salt rising up & into the wall the existing salts will still be remaining in any existing plasterwork & underlying masonry. These salts alone can cause spoiling to your wall decorations (paint, wallpaper, tiles) even in relatively low quantities.

Removal of these salts can be done by pouting, sacrificial plasters and re-plastering. The best option for your home will be discussed with you at the time of your quote. Heritage advisors will also be able to provide you with preferred specifications for your property.

1. Extract from Rising Damp and Salt Attack Publication, Published by Department for Environment and Heritage and Adelaide City Council, Written by David Young

STOP RISING SALT DAMP

The Heritage Way

STOP
RISING
SALT
DAMP

HERITAGE ADVISORY SERVICE

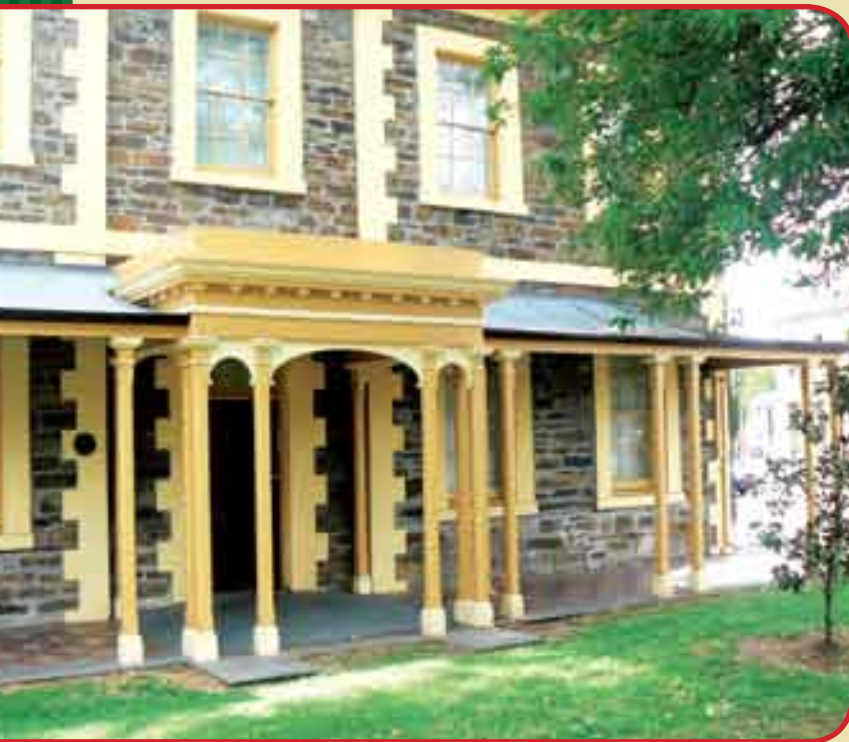
South Australia

The Heritage Advisory Service in SA provides professional heritage & conservation advice to local communities.

The Advisers are experienced heritage practitioners jointly funded by the DEH & local councils. As well as providing advice to local councils Heritage Advisers also provide individual advice & assistance to owners of heritage places.

They can help owners:

- Plan repairs, maintenance, colour schemes & conservation work, & find suitably-skilled contractors
- Avoid potentially costly mistakes that compromise the heritage significance of their place & possibly its market value.
- Understand technical advice from contractors & trades people, particularly in cases of conflicting advice
- Plan alterations, additions & renovations that are sympathetic to the heritage significance of their place
- Lodge development & grant applications



**FOR MORE INFORMATION ON
HERITAGE IN SA PLEASE REFER
TO THESE WEBSITES:**

www.environment.sa.gov.au/heritage

www.nationaltrustsa.org.au

www.adelaidecitycouncil.com

www.heritagebuildingsofsouthaustralia.com.au

www.heritage.gov.au

