

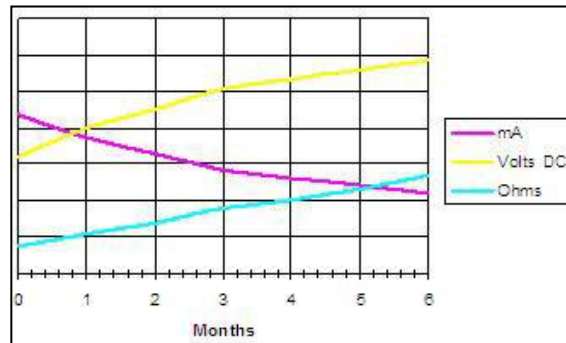


[www.lectros.com.au](http://www.lectros.com.au)

## The Lectros Electro Osmotic Remedial D.P.C.

### Principle of Electro Osmosis.

***“When a controlled D.C. charge is applied to a damp, porous, substrate, moisture will flow from the anode to the cathode”, (F.F. Reuss, - 1809).***



***Through a series of platinised titanium anodes installed in the masonry about a metre apart, a very small, regulated, and perfectly safe electrical charge is introduced into the wall just above ground level, (mA range), via a small but sophisticated power control unit. Immediately the surrounding “free” moisture molecules become positively charged and are repelled from the positive anode and attracted to the negative cathode buried in the ground, (just as the “poles” of magnets repel or attract each other***



***The small multi-function power control unit not only supplies the systems power but also works as a permanent moisture meter displaying changes in current and voltage as the moisture content reduces.***

***As the moisture content reduces so does the ability to transfer the charge from the anode to the cathode, The resistance, (ohms), will increase and the current, (milliamp range), will be seen to reduce, and whilst the volts being discharged are restricted their value correspondingly will be seen to increase.***

***Comparing the figures recorded on the top of the unit to the figures displayed on the L.E.D. screens***

***YOU CAN “SEE” THE SYSTEM WORKING!***

***This tiny positive charge repels the rising moisture molecules and dissolved salts down the walls and harmlessly back into the ground and as long as it is maintained, your walls will be protected from rising damp.***

## **Lectros is the best way to solve your Rising Damp Problem because:**

*The Lectros Electro Osmotic System is not a masonry capillary coating or blocker, but a proven active method of reversing the moisture's natural electric potential, which originates when water rises in a masonry wall.*

*The Lectros System is safe, simple and 100% effective!*

*The Lectros System dries below the installation height protecting masonry supported timber floor structures. Lectros repels moisture down to soil level below timber joists and bearers even when installed behind or above skirting boards, (where access below suspended timber floors is restricted). (An electro osmotic system is the only remedial damp course that will dry below the level of installation avoiding timber floor removal and replacement.).*

*The Lectros System desalinates masonry, solid plaster and render.*

*The Lectros System is clean, free of odours, perfectly safe, environmentally friendly, and, being fume and chemical-free, it cannot stain or discolour masonry or plaster.*

*The Lectros System minimises the need to remove sound plaster or render as most dissolved hygroscopic ground salts are carried back down into the soil - (residual surface salt deposits may be neutralised and removed with clear household vinegar and subsequent rinsing with water).*

*The Lectros System treats common or party walls, (without damaging your neighbours side of the wall), solid walls up to 600mm thick, and both sides of cavity brickwork walls from one side.*

*The Lectros System is suitable for any type of masonry, e.g. clay, concrete and mud bricks, sandstone, limestone, rubble filled walls, aerated and precast concrete!*

*The Lectros System being simple and quick to install, is the least contractor dependent remedial dampcourse system.*

*The Lectros System repels moisture down to soil level below timber joists and bearers even when installed behind or above skirting boards, (where access below suspended timber floors is restricted).*

*The Lectros System provides, observably, the fastest results as the damp is actively "driven" down out of the walls unlike other systems that rely solely on "passive" evaporation!*

*The Lectros Electro Osmotic Remedial Dampcourse System is the most cost-effective alternative to all other correctly installed methods.*

*Established in the U.K. in 1978, over 100,000 Lectros systems have been installed with proven success. Lectros has now gained an excellent reputation for effectively reversing "rising damp" in Australia since 1999 and is regarded as the easiest, cleanest and safest system to control "rising damp" and salt attack.*

### **PLEASE NOTE!**

*The effectiveness of the Lectros system is also subject to a correct "Rising Damp" diagnosis. Dampness caused by other sources such as condensation, inadequate ventilation under suspended timber floors or faulty plumbing will continue!*

**Lectros Australia Pty. Ltd.**

(A.B.N. 77 088 958 016).

P.O. Box 83

Chirnside Park, Vic 3116.

Phone: +61 (03) 9727 5468 Fax: +61 (03) 9726 4976