

Go Green on Rising Damp ! **Eco-friendly** solution to Rising Damp?

Rising damp, a worldwide phenomenon, is a major cause of decay to masonry materials such as stone, brick and mortar. Even when mild it can cause unsightly crumbling of exterior masonry and staining of internal finishes. When severe it is a potential health hazard to building occupants due to high humidity levels and the growth of moulds. When coupled with high salt concentrations, severe damp can cause extensive fretting and crumbling of the lower parts of walls, requiring difficult and expensive repairs.

What is Rising Damp?

Rising damp occurs where a damp proof course [DPC], a moisture barrier, is broken or missing and so water molecules creep up the capillary system within the brick and stonework of the building. The moisture rises in the wall to the limit of capillary action or until it evaporates from the wall surface. This is called the "Evaporation Zone". When the soils contain appreciable amounts of soluble salts, these are drawn (in solution) into the network of pores in the wall. These salts however cannot evaporate with the moisture. Consequently, the salts build up just beneath the wall or plaster surface where they grow as minute crystals. The crystal growth and as a result their physical forces are sufficient to rupture the masonry, causing fretting and crumbling, even of very strong materials. This combination of salts and rising damp causes substantial damage to the building stock. It is of particular concern in older buildings, many of which were constructed before the problem was well understood.

A new technology that ends rising damp problems

Mainly chemical treatments and other "cures" are broadly advertised as solutions for damp problems in buildings. They have however a limited application and the biological effects are

questionable. But there is good news indeed. A new technology and in actual fact a **revolutionary solution** to rising damp is making its way through the European continent, despite the fact that many do not fully understand how it really works. But actual measurable success and high sales figures speak for the system.



Aquapol is the brainchild of Austrian engineer Wilhelm Mohorn who received the highest award of his country for successful research and invention, the Kaplan Medal in 1995. The name Aquapol comes from 'aqua', the Latin word for water, and 'pol', shortened from polarisation. Aquapol reverses the polarity of the water molecules in the capillary system of the walls and causes the damp to flow downwards, leading, over a period of month or years, to dehydration. The

patented Aquapol system does not contain any parts that can be worn and it has the huge advantage that it does not get in touch with masonry itself, avoiding building works. It demisters most economically and maintains the dried condition for 80 to 100 years in the most environmentally friendly manner.

Now 36,000 Installations throughout Europe

Aquapol has been installed over 36,000 times in properties throughout Europe since 1985. Some of the more illustrious buildings are the Hungarian Parliament in Budapest; the Joseph Haydn Museum in Austria; the Greek Oriental Church in Vienna, the "Schlatt Castle" in Germany and other important buildings and in private homes and properties in the **UK**.



The Aquapol system does not need any electricity or batteries, thus no cables are necessary. The energy supply,

which is needed to create a polarisation of the water molecules, is based on long lost discoveries made by the Croatian scientific genius, Nikola Tesla (1856-1943) about the properties of water and naturally occurring energy fields within the earth and air. Tesla was an inventor, physicist, mechanical engineer, and electrical engineer

of profound genius. He is often regarded as one of the greatest scientists in the history of technology. In addition, Tesla is recognized among the most innovative engineers of the late 19th century and early 20th century. His patents and theoretical work form the basis of modern alternating current electric power (AC) systems, including the AC motor. After his demonstration of wireless communication in 1893 and after being the victor in the "War of Currents", he was widely respected as America's greatest electrical engineer.

Based on Tesla's first discoveries of the so-called 'Space Energy', which according to him exists everywhere, Austrian engineer Wilhelm Mohorn developed the very special Aquapol device. It is composed of a Receiver Unit, a Polarisation Unit and a Transmitter Unit. By transforming the received space energy into a stable clockwise rotating energy form of a specific wavelength and shape (polarisation effect), the water molecule is now directed into the ground where it came from.

Positive biological effects for a better living

Scientific studies carried out by Professor K. A. Lotz, a leading German scientist in the area of building biology, proved astonishing positive effects of the Aquapol system. "Interviews with people who had an Aquapol device installation in their room, revealed the following biological effects: **better sleep and well being a better room climate** even in geologically disturbed houses". A natural earth field is influenced in its intensity by a watercourse or other geological factors. A watercourse acts like a lens on the earth field and amplifies this in its intensity. The Aquapol system is capable of suppressing this intensity and

creates a proportionate (homogeneous), natural and biologically positive radius of action.

Ask for a radiation check in your sleeping area

The service that **Aquapol** offers includes a free damp analysis and the preparation of a comprehensive report and damp eradication plan with details of work and costs. The dehydration is then achieved by the installation of a specific Aquapol device, which must be located in exactly the right spot according to a series of different measurements and salt tests from samples taken from different areas of the walls in the building.

Aquapol receives the 'Grand Prix' Award for Monument Conservation in Poland 2006



"The fact that the polish Jury for Monument Conservation on the 11th Trade Fair (Conservation 2006) has awarded our technology with the 'Grand Prix' for their clean and eco friendly drying of rising damp proves once again that the Aquapol system, especially for listed buildings, is the best suitable way."

Explained engineer Wilhelm Mohorn, the Austrian inventor of the Aquapol Method. Mohorn alludes on the demand; local conservationists have on a system that works without any intrusions into walls and without any electricity.

The Jury of the Trade Fair in Torun/Poland based their decision for Aquapol on the reason that the method approaches both the problem of

rising damp as an integral method and it has been proven to be extremely efficient.



Among experts the renowned 'Grand Prix' is awarded annually to chosen conservation organisations.

The trade location 'Torun' speaks for itself, the UNESCO has listed the Gothic old town centre as World Cultural Heritage.

"The AQUAPOL system is the solution for the preservation of British heritage, historic buildings and old houses in the United Kingdom, which suffer from rising damp problems," said Volker Kubillus, Managing Director of AQUAPOL UK Ltd.

No electricity, no batteries, no chemicals, no drilling or cutting into walls, zero maintenance, 3 year money back guarantee, 20 years warranty on the Aquapol device.

Apply for a Free Damp Analysis.



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