

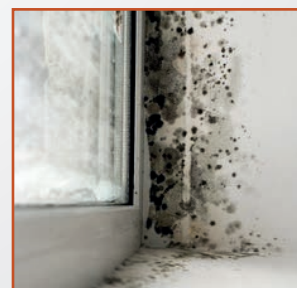
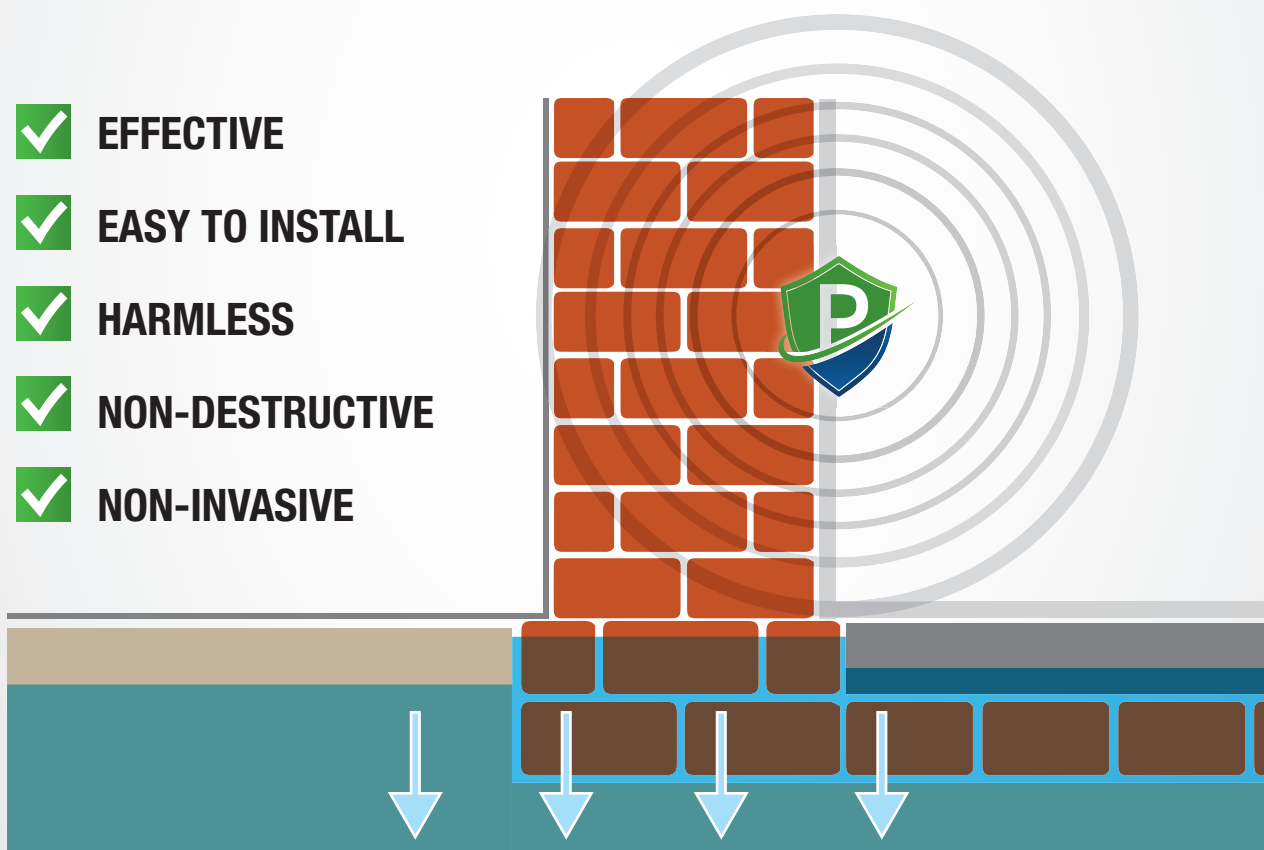


PROTECTiT
SRD

STOP RISING DAMP

Wall Dehumidification System with multi-frequency
Impulse Resonance Technology

- ✓ EFFECTIVE
- ✓ EASY TO INSTALL
- ✓ HARMLESS
- ✓ NON-DESTRUCTIVE
- ✓ NON-INVASIVE



www.stoprisingdamp.ie



PROTECTiT
SEALERS & CLEANERS



PROTECTiT
SRD
STOP RISING DAMP



IBIX
SPECIAL CLEANING
AERO-ABRASION SYSTEMS



IBIX
MOBILE LAB
SPECIAL CLEANING



SAFE GUM REMOVAL



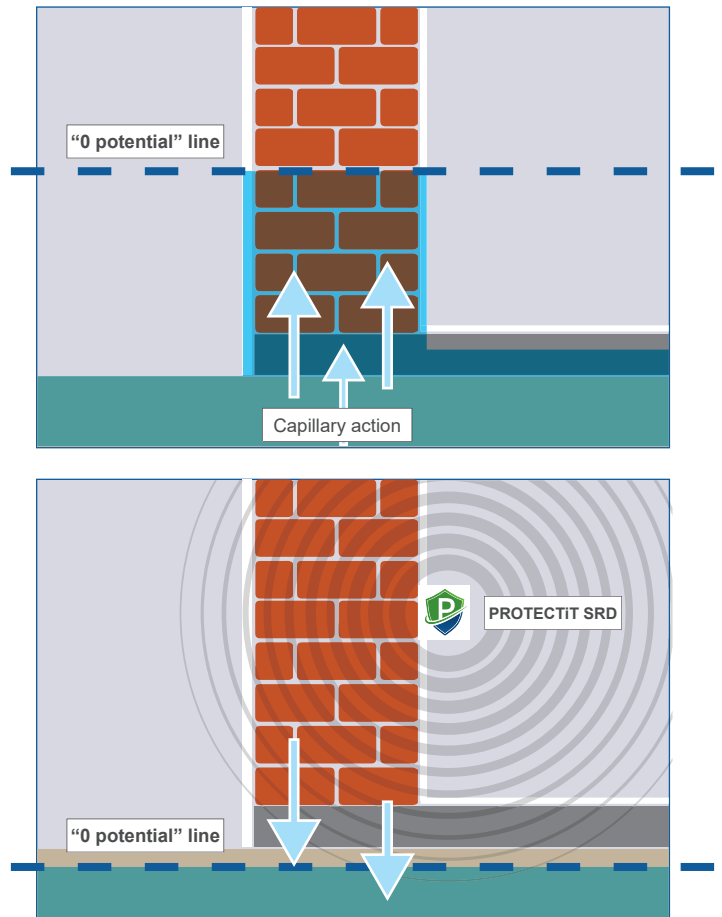
The slimline design allows the PROTECTIT SRD to be mounted easily, even behind furniture. With its spherical action, SRD is able to dehumidify surfaces ranging from 80m² right up to 400m².

DESIGNED TO STOP RISING DAMP

PROTECTIT SRD, with “Multi-frequency Impulse Resonance” technology, is the most advanced and effective electro-physical masonry dehumidification system.

Our device is able to activate a complete and definitive dehumidification process; it generates a train of impulses that resonate in the damp walls and, by acting on the overall electrostatic charge, lower the *zero potential line** on all types of material constituting the building structure.

PROTECTIT SRD acts exclusively in the walls, opposing attraction between the capillary pores of the masonry and the water molecules (dipoles), thus neutralising the strength of rising damp in masonry structures. Its action is followed by an effective and permanent drying of walls.



- ✓ Effective
- ✓ Easy to install
- ✓ Harmless
- ✓ Non-Destructive
- ✓ Non-Invasive

PROTECTIT SRD RANGE OF ACTION:



m12 x 12 = 144m²



m16 x 16 = 256m²



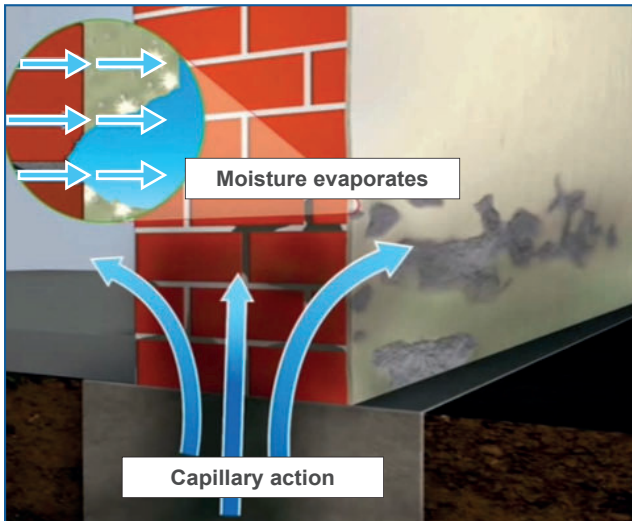
m20 x 20 = 400m²



m28 x 28 = 784m²

RISING DAMP

WHY IT HAPPENS?



As you can see in the graphic, moisture permeates from the ground through capillary action.

Just like a sponge the water transports minerals including damaging salts which are deposited in the wall and on the wall surface. In the areas where the moisture can evaporate the damage is most visible.

Dampness also provides a fertile environment for mould growth. This can have serious consequences on the health of those who live in these areas. The damage can range from simple colds to allergies and asthma, from gastrointestinal and dermatological diseases to the proliferation of mould spores in the organism.

Typical symptoms of Rising Damp:

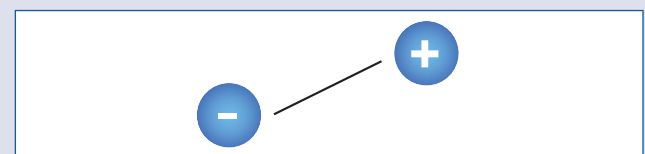
- ✗ Mould on walls
- ✗ Peeling paint, flaky or bubbling plaster
- ✗ Damp, wet patches, stains, white powder or crystals appearing on the surface of the walls
- ✗ Crumbling mortar between bricks or stonework on the exterior of the building
- ✗ Rotting skirting boards and/or floorboards

Multi-frequency Impulse Resonance technology interacts with the dipoles of water, triggering the dehumidification of building structures.

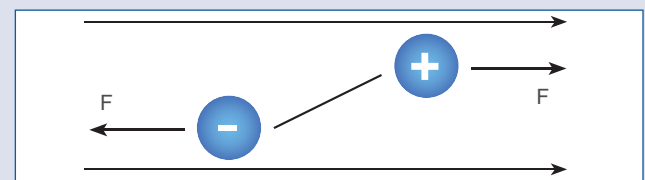
PROTECTiT SRD uses to its advantage **the same effect that generates rising damp**, it generates an electromagnetic field inside the wall structure that resonates with the water molecules and their structure, **stopping their rising.**

PROTECTiT SRD counters the natural diffusion process of capillary rising damp and determines its elimination from masonry structures.

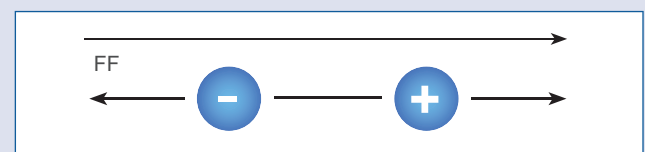
This technology is absolutely functional and guaranteed in cases of **capillary rise humidity.**

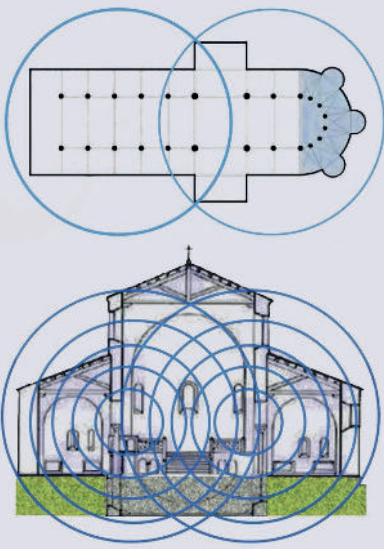


Dipole in absence of electric field



When a electric field starts to have effect





CASE STUDY

GLASNEVIN CHAPEL

The mortuary chapel in Glasnevin Cemetery was designed by James Joseph McCarthy RHA (1817-1882), an admirer and follower of Augustus Pugin. It replaced an earlier chapel built in 1842 which had been designed by the original architect of the cemetery Patrick Byrne (1783-1864).



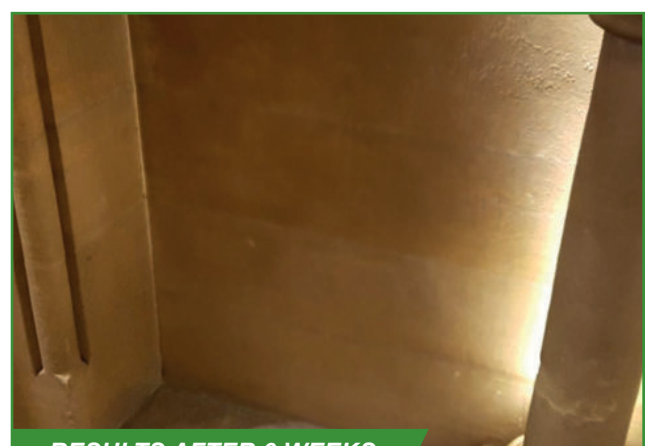
We were challenged to assess the Mortuary Church on the Grounds of Glasnevin Cemetery and to provide a solution for the chronic rising damp on the internal walls of the Church.

Testing samples were taken from the structure at Glasnevin and the PROTECTiT SRD system was installed in early August 2017.

Glasnevin Trust contacted us **6 weeks after installation** of PROTECTiT SRD to request that we re-visit the church to see the results first hand. Following this successful installation of PROTECTiT SRD, the Glasnevin Trust have installed a second unit in the Mortuary Church which now sees all the floor area of the church covered.



BEFORE INSTALLATION



RESULTS AFTER 6 WEEKS

The Pictures above illustrate the reduction in dampness and unsightly salt deposits after 6 weeks

In just 6 WEEKS, there was a decrease in dampness of over 70%

“When presented with the PROTECTiT SRD I have to say I was sceptical, to say the least. The PROTECTiT team started to impress me with a scientific approach, the analysis was so detailed and accurate, all of the tests were carried out and presented very quickly. But what really surprised me and my colleagues were the instant results within 4-6 weeks of the installation. I have now installed the second unit in the Church and another one in the Tower.”

Martin Galligan Glasnevin Trust Project Manager



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