

STRUCTURALWISE
Structural & Waterproofing Solutions

Structuralwise - solving the toughest of structural & waterproofing problems with ease

Lift Shafts & Lift Pits

Water ingress is one of the most common problems encountered within lift shafts. A lift pit is often the lowest point within a building and as such acts as a sump.

Our injection systems can be used to seal lift pits against water ingress, quickly, cleanly and with the minimum of disturbance. Our injection systems enable us to target specific problem areas such as joints, cracks or single wall elevations. This means we can provide localised and specific remediation to keep costs down.



Tunnels & Bridges

Tunnel construction is one of the most difficult tasks in civil engineering. Concrete, in tunnel construction, must fulfil stringent demands in terms of strength, durability and impermeability to water.

Through time, some construction joints may fail allowing unwanted water ingress into the tunnel which can cause problems to the structure, not to mention the unsightly after effects. Structuralwise can carry out injection works to waterproof affected areas. Our system can be used on concrete, brick and metal structures.



Car Parks

Below ground or multi storey car parks often suffer from water ingress either from penetration from high ground level or from upper areas that are exposed to the elements. Water ingress can cause lime damage to cars and puddling can result in lost revenue due to empty bays.



Structuralwise are experts in structural injection technology

For more information on injection technology or to arrange a survey

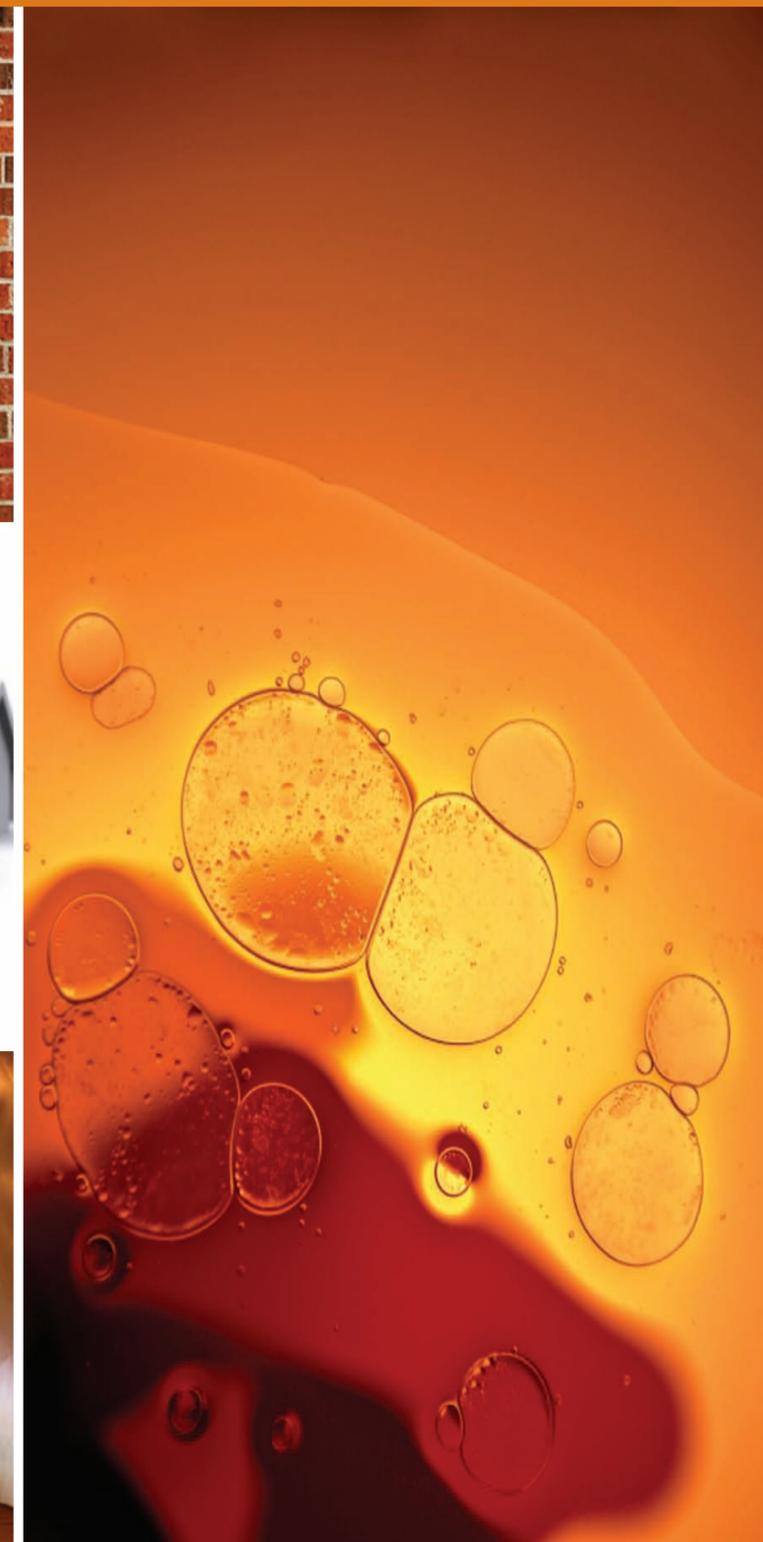
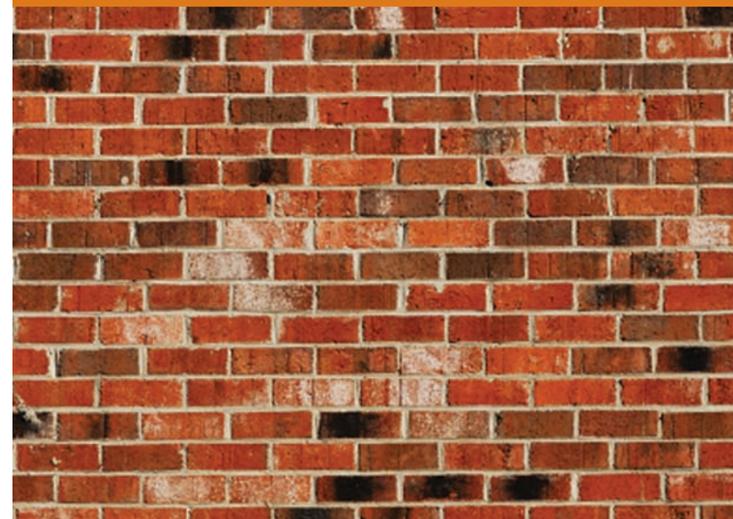
call 0800 0199 213 or visit www.structuralwise.co.uk

Structuralwise is part of
TIMBERWISE
the property care experts

Quality : Professionalism : Confidence : Spirit



Structural Injection Technology





Structural Injection Technology

Structuralwise offers a range of property solutions for commercial and domestic clients utilising the very latest in injection technology. We provide waterproofing and structural strengthening to a variety of structures - arches, cellars, floors, walls, foundations and tunnels.

At Structuralwise we know that within the construction industry no two building projects, nor set of conditions, are ever the same.

With this in mind we know that the success of any solution relies on specifying and carrying out the correct remedial work. We know that we must stay fully up to date with new techniques and products to allow us to achieve this goal. That is why, at Structuralwise, we offer the very latest in structural injection technology to solve remedial structural and waterproofing issues with minimal disruption.

We know that injection work depends on combining the right knowledge and expertise from the early stages of the specification through to completion. This expertise includes determining the right materials and injection techniques to achieve the desired objectives. Our staff are trained and experienced in injection techniques to ensure these objectives are met.

Structuralwise have the experience, know how and technological background to provide project specific waterproofing and structural injection solutions for the construction and concrete repair sectors.

Injection Systems can solve problems in a wide variety of structures:

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|  • Domestic Properties |  • Commercial Properties |
|  • Construction Pits |  • Road Networks |
|  • Bridges |  • Rail Networks |
|  • Tunnels |  • Water Storage Structures |

Our trained teams specify effective solutions to typical problems encountered on site, using tried and tested processes and materials :-

- Waterproofing of structures
- Strengthening of structures
- Sealing against water ingress
- Foundation stabilisation



Reliable Solutions for the Toughest of Problems

Uses for Structural injection technology are wide and varied :



Stopping Fast Flowing Water

Water which is retained behind a structure exerts pressure on the structure. This can cause a problem. Any defect in the structure, no matter how small, can lead to water ingress causing flooding, damp and mould. Where traditional methods of waterproofing cannot remediate the problem, we at Structuralwise have the ideal solution. By injecting our fast reacting resins behind the structure a water tight seal can be achieved easily and quickly This can be carried out in new or existing buildings through concrete, masonry or even steel.

Commercial Properties

Construction joints below ground are not always able to cope with the constant structural movement within a building. Cracks may start to appear within a structure leading to water penetration. In many cases, conventional remedial waterproofing solutions are expensive, as well as inconvenient and ineffective. Structuralwise have a choice of modern injection waterproofing methods that can be applied to cure most water ingress problems, whether it's through cracks in the structure, a working joint or even a fracture. Our injection systems can provide an invisible quick long lasting solution.



Domestic Properties

With more and more households converting basements into extra living space there is an even greater demand for dry basements. Any waterproofing solution must be effective and long lasting. Structuralwise have access to many methods of waterproofing including cavity drain membrane, cementitious and injection technology. By using the curtain injection method, walls can be waterproofed quickly and efficiently with the minimum amount of disturbance.



Structural Repairs Injection

Structuralwise offers resin injection systems to improve the structural strength within structures. The injected resins form either a rigid bond that is stronger than concrete or a flexible bond as required. Due to the low viscosity of the resin we are able to fill a fracture down to 0.1mm. This means that the finest capillaries can be completely filled.

Hand applied Concrete Repairs

Structuralwise offers a two coat hand applied concrete repair solution, which requires no corrosion protection or bonding coat as these are incorporated within the coarse mortar product. It's light weight and high bonding characteristics makes it ideal for re-profiling or working overhead.