



Resin grouting of lift pits.



The base of a lift shaft typically consists of a small section of the shaft below ground which houses part of the lift mechanism.

They are notoriously difficult to waterproof due to the presence of fixings which usually penetrate the structure, for example the spring buffer which can be seen in the centre of one of the floor. Installing a sump and pump system is also difficult due to their location, typically being in the middle the building making it difficult to route discharge pipes and wires for the pumps.

We have developed methods of injecting water reactive resins into the structure which seal up leak pathways wherever they may be.

Top Left – 100mm of water sitting on the floor, top middle the resin grouting pump in operation, top right resin being injected into the structure. The main picture, to the left, shows one of the dry pits finished with a Vandex waterproof slurry coating.

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