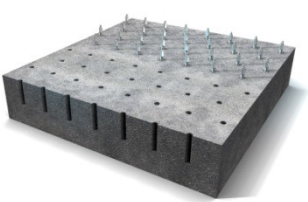


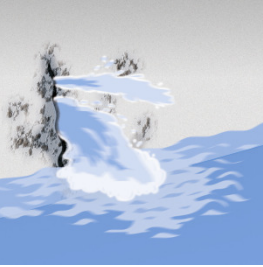
### Crack injection 2

This system is used to structurally re-bond any cracks found in concrete; however it can also be used to waterproof the fracture. Resins are injected through adhesion packers which are held in place with a high strength adhesive material. The packers are set at pre determined centres which is dictated by the depth of the defect. Once the adhesive is dry the appropriate resin is pumped into the fracture through the packer filling the crack gradually subsequently sealing or bonding the concrete. The previously applied packers and surface adhesive is then removed and the surface is made good. The resins can fill gaps down to **.1 of a mm**. Flexible joints can also be achieved

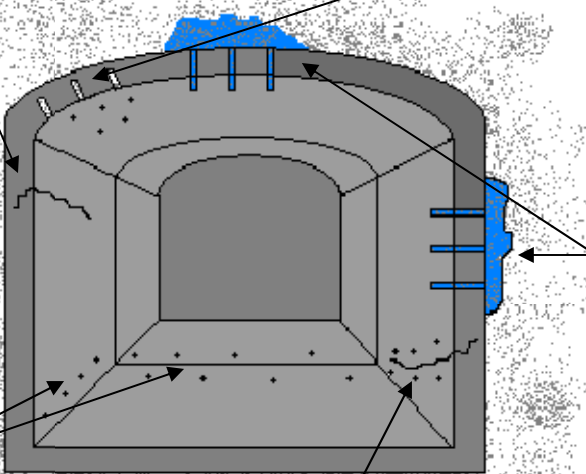


### Surface Injection

This system can be used to waterproof or add additional strength to masonry or concrete. Holes are drilled at pre determined depths and centres, injection packers are inserted and the appropriate resin pumped into the concrete through the packer filling any cracks, fishers or pores in the material subsequently sealing it or adding additional strength to the material. The resins can fill gaps down to **.1 of a mm**.

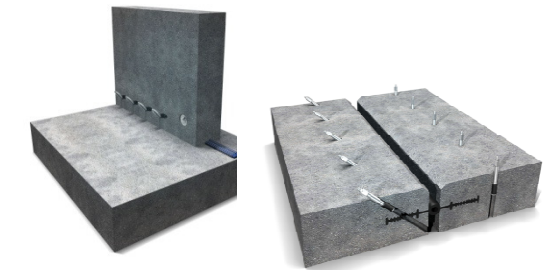


**Fast flowing water**  
Injection technology can also be used to stop fast flowing water through masonry, soil, concrete, and metal. Injected through packers behind the structure where it expands on contact with water blocking the defect from behind



### Curtain injection

This system can be used to water proof concrete or masonry structure or to add additional support. Holes are drilled through the wall, injection packers are then installed these allow us to inject the appropriate resin into the substrate behind the structure saturating it, after a set time has elapsed a reaction occurs in the resin and either a flexible waterproof gel or a rigid structural resin is formed. Holes are drilled at relatively close centres to ensure a continuous barrier or support. This type of system would also protect the masonry and any strengthening bars found in concrete from the affects of damp ingress.



### Joint injection

This system can be used to waterproof or structurally re-bond construction joints. Different joints require different installation methods however generally holes are drilled through the surrounding material angled into the centre of the joint itself. The appropriate resin is then pumped into the joint through the packers filling the joint. Flexible joints can also be achieved



### Crack injection 1

This system can be used to waterproof or to structurally re-bond any fractures found in concrete, injected through packers drilled and installed at a 45 degree angle into the structure with the aim of hitting the fracture in a central location with regards to the depth of the defect. The appropriate resin is then pumped into the fracture filling the defect slowly subsequently sealing or bonding the concrete. The resins can fill gaps down to **.1 of a mm**. Flexible joints can also be achieved

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