



## Injection Resins

Prime Flex 900 MV

Prime Flex Hydro Gel SX

Prime Flex 910

Prime Flex 920

AR 800

AR 870



[www.nufins.com](http://www.nufins.com)



# Soil & Ground Stabilisation



Sound concrete relies upon a solid substrate. Well-compacted soils provide a foundation upon which concrete structures perform. Decomposing soils, erosion and freeze-thaw cycles can destroy this foundation. That is the root cause for damage to or failure of structures such as buildings, highways and airports.

Major excavation is not required for stabilising soil. Injecting polyurethane chemical grouts into loose or less dense soils, voids, pores and fissures strengthens the earthen substrate and provides watertight encapsulation.

Nufins can provide soil stabilisation solutions with its Prime Flex polyurethane and acrylate foams and gels.

Product	Main Uses
Prime Flex 910 & 920	Permeation grouting, void filling, curtain grouting, sealing high flow gushing leaks
AR 800 & 870	Permeation grouting of sandy or silty soils. Long variable set time allows for thorough penetration



## Typical structures requiring soil stabilisation:

- Roads/highways
- Bridges
- Railway sleepers
- Airport runways, taxiways
- Tunnels
- Seawalls
- Storm water pipes
- Tanks
- Foundations
- Pools





# Leak Sealing



All leaks are not the same. There are many types of leaks and Nufins offers different solutions to address each size and type. Whether your issue is hairline cracks or high flow gushing leaks, we've got a solution.

Factors to consider when choosing how to seal a leak include:

- Volume of leak
- Size of crack or defect
- Accessibility of the site
- Environmental conditions
- Expansion rate, set time and viscosity of the grout
- Physical properties of reacted grout: foam versus gel, rigid versus flexible



Hydrophilic resins idea for sealing cracks include:



Product	Main Uses
<b>Prime Flex 900 MV</b>	Injecting cracks, expansion joints, wide cracks, pipe joints or pipe penetrations. Sealing active leaks in above - or below-ground concrete structures
<b>Prime Flex Hydro Gel SX</b>	Sealing underground structures; ideal for manholes
<b>AR 800 &amp; 870</b>	Leak sealing and soil consolidation; ideal for geotechnical applications in humid environments

## Examples of typical structures requiring leak sealing include:

- Manholes
- Dams
- Tunnels
- Underground parking decks
- Storm sewers
- Water treatment tanks
- Pipe joints
- Elevator pits
- Retaining walls
- Box culverts
- Seawalls
- Potable water tanks
- Underground vaults, walls, pits and floors
- Nuclear plant cooling tanks



**Head Office**

Kingston House

3 Walton Road

Pattinson North

Washington

Tyne & Wear

NE38 8QA

**T:** +44(0)191 416 8360

**E:** [info@usluk.com](mailto:info@usluk.com)

**W:** [www.nufns.com](http://www.nufns.com)