

{ Water sealing & underground strata protection }

# Can you afford a leak? Groundwater management and Mine dewatering remains one of the toughest tasks in the mining industry – that is – until now.

H2O Control Systems introduces a nano-technology breakthrough for tough water ingress problems in mines - **Liquid Injected Containment Systems (LICS)**. LICS uses high pressure injection of nano-technology sealant emulsions to permanently seal water leaks.

**T**he proprietary sealants used in LICS enable even high pressure/ high flow leaks to be sealed permanently and quickly. If you fix a leak with LICS – it stays sealed. LICS is flexible and will remain effective even when ground movement occurs.

#### LICS sealants:

- Can be individually tailored for each job.
- Remains in stable suspension until it is activated.
- Activation can be immediate or timed, by physical means (eg turbulent flow through a crack) or chemical means through a catalyst.
- When activated, the sealant coagulates to form a flexible mass of interlocked particles. The particles continue to weld together until the fissure is completely blocked and flow ceases.
- Nano-particles in LICS emulsions penetrates further and permanently seals fissures to <1micron, quicker than any other sealing system available.
- Non-toxic, non-hazardous reagents are used to ensure environmental compliance
- Can be used to instantly seal even large water flows using timed reagents and application methods.
- Works equally well in chemical, hydrocarbon or saline environments, very high or low temperature, high or low pH.
- Suitable for all mining, gas and oil operations – it is used to permanently seal water sources off from mined areas such as gas or oil wells, pits, tunnels, portal and shafts.

H2O Control Systems offer a safe, environmentally friendly, permanent fix for water problems, with savings in many areas such as pumping/ dewatering, lost production, and environmental liabilities.



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## H<sub>2</sub>O CONTROL SYSTEMS PTY LTD

HYDROSTATIC SOLUTION SPECIALISTS

### Advanced Technology To Control Groundwater

Liquid injection containment system (LICS) the latest in chemical grouting that is more environmentally friendly and gets guaranteed results. A technological advancement and alternative for cementitious grouting in the control of Groundwater.

• Client Satisfaction Guaranteed • Environmentally Friendly • Cutting Edge Technology and Solutions • Team Health and Safety

