



Stops Leaks Quickly & Permanently

Aquaseal is an extremely reactive two component hydrophobic polyurethane water stop system that can be injected into flowing water, reacting in 3 – 5 seconds. Infiltration is instantly stopped in its tracks, any void is rapidly filled, without any absorption of water.

Aquaseal is designed to stop high infiltration sources in concrete or brick structures, sealing leaks in excess of 200 litres/minute and cracks > 0.05mm. The cured polyurethane creates a mushroom like seal to permanently stop leaks, performs well in corrosive sewer environments and will resist wet/dry cycles.

Aquaseal comes packaged in 600ml dual component plastic cartridges. Specialist non-return static mixers and heavy duty dual component caulking guns are also available, making installation quick and easy.



Leaking MH



Aquaseal being applied to permanently stop & seal leak

Advantages

- Extremely fast reacting and rapid sealing
- Will inject directly into flowing water and will not wash out
- Will inject into the finest of fractures, rather than just covering them up
- High early strength
- Re-sealable/reusable, use only what is needed
- Non-hazardous, no VOCs, CFC's or HFC's

How much money can Aqua Seal save you?

One manhole leaking 10L/minute will leak 15m³ per day. If the cost of treating wastewater is \$2m³, then this single manhole with a 10L/minute leak costs more than \$10,000 per year, forever!

Applications

For water control, Inflow & Infiltration in manholes, vaults and other concrete, brick or stone structures above or below ground

| Size of Leak litres/minute | Annual Cost per m ³ to Treat Wastewater | | | | |
|-------------------------------|--|----------|----------|----------|----------|
| | \$1.00 | \$1.50 | \$2.00 | \$2.50 | \$3.00 |
| 5 | \$2,628 | \$3,942 | \$5,256 | \$6,570 | \$7,884 |
| 10 | \$5,256 | \$7,884 | \$10,512 | \$13,140 | \$15,768 |
| 15 | \$7,884 | \$11,826 | \$15,768 | \$19,710 | \$23,652 |
| 20 | \$10,512 | \$15,768 | \$21,024 | \$26,280 | \$31,536 |

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NO WASH OUT EVEN IN FLOWING WATER

Installation

A – Static Mixer



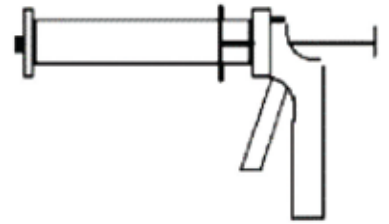
B – Nut



C – End Caps



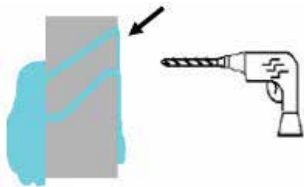
E – Dual Caulk Gun



D- Tubes



Slide B (Nut) over A (static mixer– thread end first)

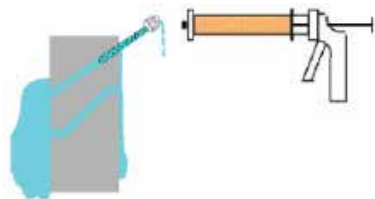


Locate leak and drill a 15mm hole, 150mm above the leak, at a 45 degree angle downward to intercept the leak. Drill completely through the wall of the structure

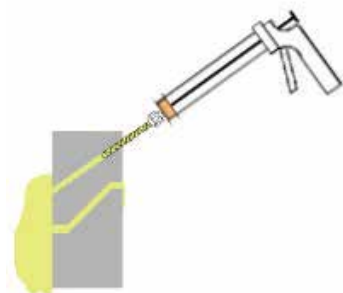


Tap static mixer into hole (pointed end first) until snug.

Prepare gun by pulling back plungers on E (dual caulk gun), insert D (tubes), while holding vertical, remove C (end caps) from threaded end of tubes



Quickly align threads on D (tubes) with B (nut) and tighten to secure. Tubes must be 20°C or warmer, place in hot water to heat



Pump gun vigorously to expel grout to refusal or foam shows. If there is a high velocity leak and grout is washing out, attach balloon onto end of static mixer with tape and insert mixer into hole and pump gun to expel the grout to refusal or seal