

AUSSIE SYSTEM 950 – INJECTION TUBE WATERSTOP INSTALLATION GUIDELINES

PRODUCT DESCRIPTION

AVM Aussie Tube 950 System – Is an injection tubing system designed as a channel to deliver Aussie Grout 902 by injecting the grout into concrete walls, cold joints, penetrations and other critical areas sealing these joints and voids in the concrete. It is typically installed at walls/joints in property line applications during the rebar installation phase and remains embedded into the concrete where the grout will be injected at a later date.

COMPONENTS (100 FT KIT)

Aussie Tube (Injection Tube) – Black expanded PE Foam with special water-repellent coating. Comes in rolls of 100’ as part of the 100 ft kit or in bulk rolls of 820 ft.

Aussie Tube Feeder Hose – Clear plastic Feeder Hose

Aussie Tube Elbow – Quick Connect elbow connector

Hose Clamps – Clamps to secure both tubes

Aussie Tube Plugs (optional) – End caps to close Aussie Feeder Tube

- Special Order Item



**Aussie Tube
(Injection Tube)**



CLAMP



Aussie Tube Elbow



**Aussie Tube Feeder
Hose**



Aussie Tube Plug

COMPONENT DESCRIPTIONS

The Aussie Tube is made from Expanded PE Foam with porous structure with cells that form a zigzag passage. The cells open under pressure of the injected resin. The special water-repellent coating prevents the penetration of concrete milk into the tube’s pores. The injection hose allows an optimal and uniform spread of the resin, which will be pre-injected upon concrete cure or injected in a later stage in case of leakages.

Aussie Tube is ideal for the injection of the following resins:

- Polyurethane Chemical Grouts

- Typically, we recommend the AVM Aussie Grout 902

- Acrylate Injection Resins

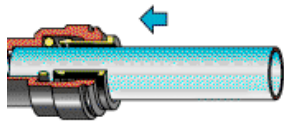
- For other injection resins, consult our technical service specialist

Aussie Tube Feeder forms the end of the Aussie Tube system, which extends out of the form work. At the end of this hose an injection nipple can be connected prior to the injection process.

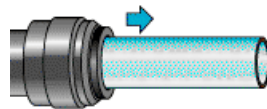
Aussie Tube (Quick Connect) Elbow snaps on connection forms the union piece between the Aussie Tube (injection tube) and the Feeder Hose. The Aussie Tube and the Feeder Hose are fastened by a simple push and pull movement in the 90° Elbow.

Aussie Tube (Quick Connect) Elbow

This snap on connection forms the union piece between the Aussie Tube (injection tube) and the Feeder Hose. The Aussie Tube and the Feeder Hose are fastened by a simple push and pull movement in the 90° Elbow.



Step 1: Push Tube/Hose into Elbow



Step 2: Pull Tube/Hose Gently to secure

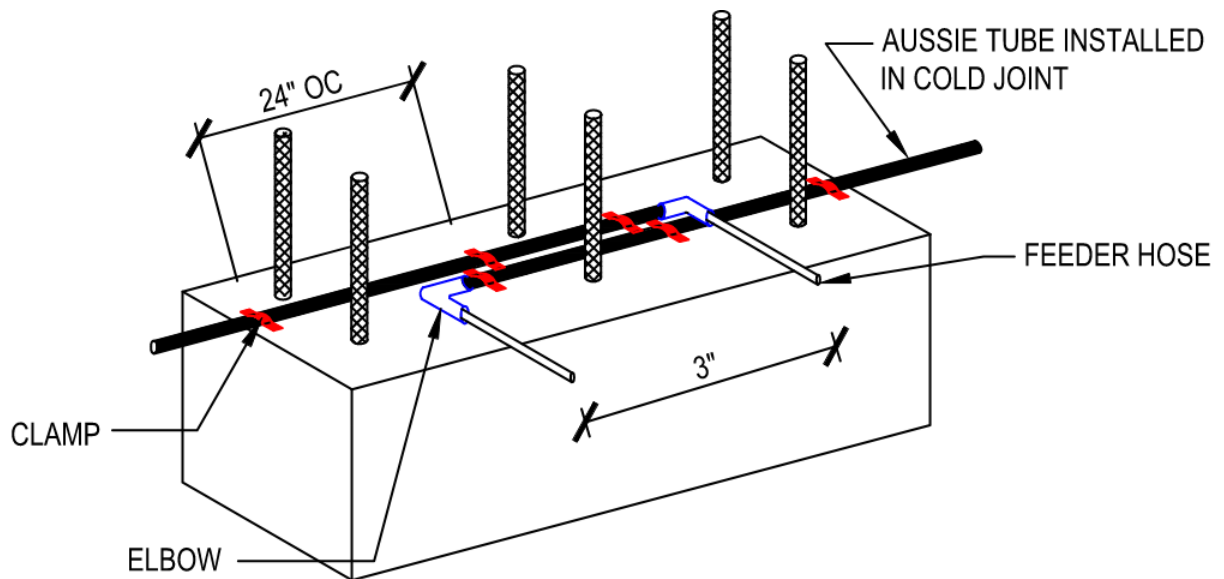
PRODUCT APPLICATIONS

Aussie System 590 is suitable for single injections in hydrostatic or non-hydrostatic conditions. Do not install materials at temperatures below 20 degrees F or above temperatures above 110 degrees F. Substrate must be prepared with structurally sound concrete, clean, dry, free of contamination and free of sharp edges that could cut or damage the tubing system.

INSTALLATION GUIDELINES

1. Cut the Aussie Tube to the desired length to fit the area you intend on installing. You will then cut two pieces of the Feeder Hose at a minimum of 12-18" depending on the thickness of concrete.
2. Lay out the Aussie Tube in the desired location (in the wall/slab joint, box out locations, around penetrations, etc.)
3. Take the Quick Connect Elbow and connect them to both ends of the Aussie Tube by forcing the elbow all the way into the ends of the Aussie Tube.

4. Take the 12-18" cut out sections of the Feeder Tube and connect them to the other end of the Quick Connect Elbow by forcing it into the elbow all the way.
5. Secure the entire assembly to the footing, box-out, etc. every two feet with the clamps. The clamps can be nailed in or glued on with epoxy. The tube needs to have continuous contact with the surface and tension on the tube must be sufficient enough, so the tube does not shift during concrete placement.
6. Plug Feeder Tube ends with the Plugs or seal the edges with duct tape.
7. When installing the next Aussie tube (if necessary) ensure that it overlaps the installed tube a min of 6". 3 – 6 inches. (any more than 6 inches and you start to get cross contamination problems)
8. The Feeder Tube should exit the face of the concrete at a 90-degree angle and the end of the tube should extend past concrete face 1-3". Protect the ends and make sure they are clearly visible after forms are stripped to prevent complication of the injection.



INJECTION GUIDELINES

1. Allow concrete to fully cure. Injection screws placed into one end of the Feeder Hose and water should be injected to verify the continuity of the system. Once continuity of the system is proven then one side of the clear hose should be clamped and water forced through the Aussie Tube.
2. Replace the water with the grout (polyurethane chemical, acrylic resin) and shoot at a low pressure typically around 200-300 psi (can be higher or lower depending on the consolidation of concrete) until the grout shoots out of the distant end of the hose through the opposite Feeder Hose.



8245 Remmet Ave Canoga Park, CA. 91304 (818) 888-0050

3. Once grout begins to exit the opposite Feeder Hose, close it with an injection screw and continue to inject.
4. You want to see the grout exit through the cold joints as you grout. Ideally, grout will be exiting joints continuously from one end of the Feeder Hose to the other. This is not always the case if concrete in those cold joint sections are extremely tight.
5. Ideally, the flow should be slow and steady. If you see grout flowing aggressively it can be best to turn the grout off for a moment and then start pumping again.
6. Closely monitor the flow, clean up when complete.