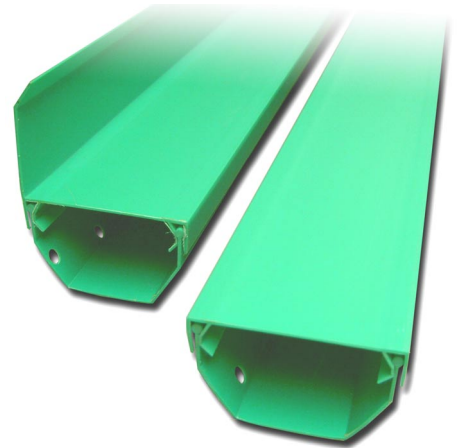


Oldroyd Aquadrain™

Perimeter Drainage Channel for Basement Waterproofing

Description

Oldroyd Aquadrain is a perimeter drainage channel designed to provide additional protection at the vulnerable wall-floor junction in basement waterproofing applications. Aquadrain is usually used in conjunction with cavity drainage membrane systems such as Oldroyd Xv and Oldroyd P. However, it can also be used to compliment epoxy and cement-based waterproofing systems such as Safeguard ECS Epoxy Floor Coating and Vandex BB75 Waterproofing Slurry.



Two versions of Aquadrain are available (with and without upstand – see picture). The version with an upstand is primarily used in conjunction with cavity drainage membranes in situations where it is possible to lay the channel close to the wall. The version without the upstand is used where it is not possible to lay the channel directly next to the wall (e.g. uneven walls, stepped foundations, and large floor areas where it is necessary to increase the level of drainage by laying Aquadrain across the floor)

Advantages

- Controls Water Ingress
- Fast Fit to Link Longer Runs Together
- Links to Submarine Sump System
- Tough, Durable Design
- Quick & Easy Application

Installation

1) Cut or form a channel to accept the Aquadrain.

In newbuild constructions it will usually be possible to cast a 150mm wide x 150mm deep channel in the slab around the perimeter of the basement. On projects where the slab has already been cast, it is sometimes possible to chase a channel into the slab, although a structural engineer should be consulted first¹. In Victorian basements where the floor is constructed of loose-laid bricks, these can be removed around the perimeter of the basement to form a channel. Where it is not possible to form a channel of any kind, Aquadrain can be laid on top of the slab (see diagram 1). The void created in the middle of the basement can then be filled with insulation board. For other options, please contact our technical department.

2) Lay Aquadrain in a bed of pea shingle

Where a cavity drainage membrane is to be used on the floor, the top, flat surface of the Aquadrain should be flush with the top of the floor slab.

Where the floor is to be waterproofed using a cementitious or epoxy system, the top of the Aquadrain

¹ In cases where it is necessary to cut a channel into the concrete slab a structural engineer should be consulted. Vandex BB75E or Safeguard ECS should be used to line the channel and protect exposed reinforcement bars from the effects of water ingress.

should be 50-75mm below the top of the slab. The remaining gap is filled with Vandex Unimortar 1 and made good.

3) Corners and junctions

Corners and junctions are cut and mitred to suit. Oldroyd 75mm or 200mm Overseal Tape can be used to form a permanent joint, if required.

4) Jetting points

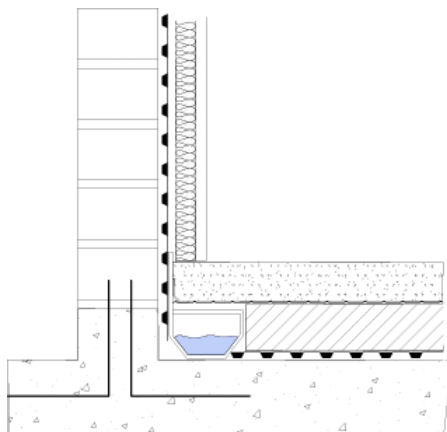
As with all drainage systems, jetting points should be incorporated at each change of direction or every 10metres (min) on straight runs.

5) Sump Pump

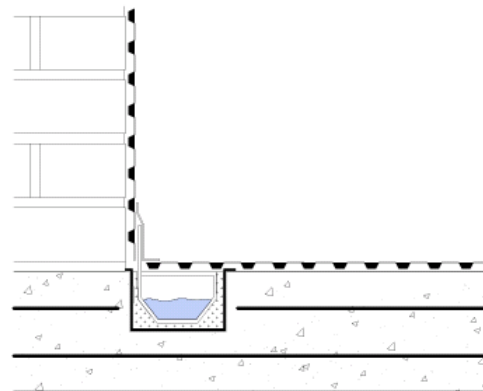
The Aquadrain channel should lead to a suitable sump and pump from the Safeguard Submarine range. More than one sump and pump may be required on larger projects (call our technical department for details).

Important Note: This document should be read in conjunction with the application instructions for the other products used in the waterproofing system (E.g. Oldroyd Xv, Vandex BB75). If in doubt, please contact our technical department.

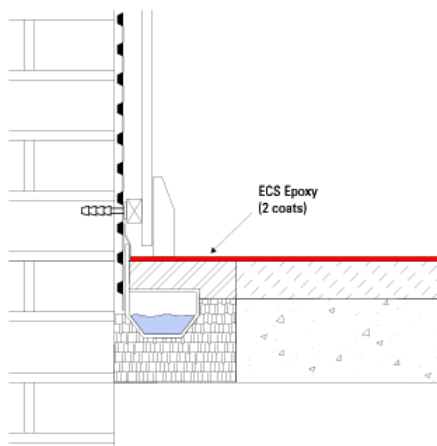
Typical Applications



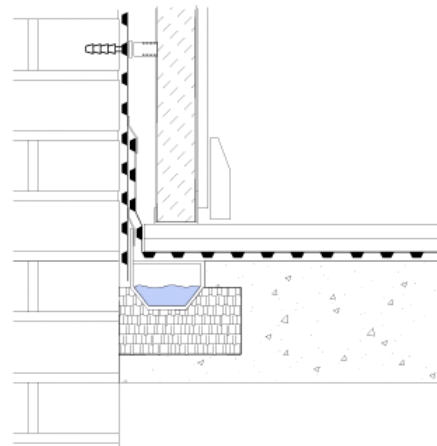
1) Internal basement waterproofing with insulation on floor



2) Newbuild basement with channel cast into slab



3) Basement refurb with epoxy coating on floor (limited head height)



4) Basement refurb with Oldroyd Xv to walls and floor