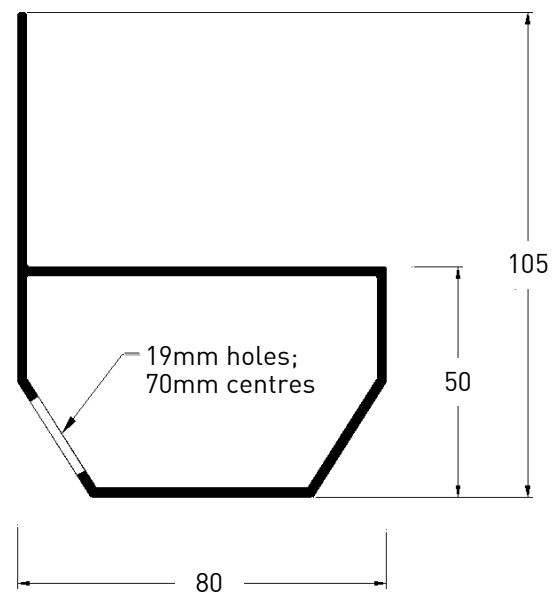


RIW AQUA CHANNEL

To be read in conjunction with RIW Cavity Drain R20 and RIW Cavity Drain R7 data.

DESCRIPTION

Aqua Channel is pre-formed in a pentagonal shape, with pre-drilled 19mm holes at 70mm centres along its length.



Aqua Channel is an internal peripheral PVC drainage conduit that has been specifically designed for the control of water ingress in below ground situations.

TYPICAL USES

Aqua Channel is particularly suited to for use with cavity drain membranes – ie: Type C (drained) protection, in accordance with BS8102:2009 Code of practice for protection of below ground structures against water from the ground.

Aqua Channel is fitted around the periphery of an internal floor, at the vulnerable wall and floor junction, to collect and discharge any water ingress.

The product can be used in most waterproofing situations, as water enters the Aqua Channel through the pre-drilled holes where it is then diverted to a suitable drainage point, either natural (gravity fed) or mechanical (sump & pump).

Water entering the structure through floors, walls or curved soffits is controlled behind the Cavity Drain membranes, where it is diverted to the Aqua Channel at the base of the wall.

PACKAGING

2 metre lengths

AQUA CHANNEL ACCESSORIES

CONNECTOR

Connectors are used to join two pieces of Aqua Channel together.



AQUA CHANNEL OUTLET

Aqua Channel Outlet consists of a 90° bend, with a male coupling, which is fitted to the base of a 200mm length of Aqua Channel ; allowing water to be taken from the channel to the water collection point.

A 40mm diameter hole is cut into the base of the channel, and the 90° bend and male coupling is inserted and solvent welded together to form a swivel joint. Additional pipework is then fitted onto the outlet, to continue it to the water collection point for disposal.

1 No. outlet should be provided for approximately every 50 linear metres of channel, with a minimum of 2 No. outlets being provided from each area.



CHANNEL END OUTLET

Where gravity fed drainage is to be used, the Channel End Outlet is designed to convert the pentagonal shape of the Aqua Channel into a round aperture, and is fitted to the end of a run of Aqua Channel.



A blanking plate, with a 40mm diameter hole cut through, together with a male coupling and straight connector is solvent welded to the open end of the channel. This then allows for the pipework to be extended into a 'P' trapped gully or soakaway, to discharge the water ingress.

NB:

- Channel End Outlets should not be used to drain water from the Aqua Channel directly into foul drainage or into a stack pipe.
- It is not possible to install a non-return valve, as this cannot operate properly in the horizontal position.

CLEANING PORTS

Cleaning ports (jetting eyes) should be incorporated into runs of Aqua Channel, where required, to allow for periodic cleaning of the drainage system ; supplied 200mm long.



It is recommended that one of these units is installed at approximately every 12 linear metres along straight lengths of Aqua Channel.

A 40mm hole is cut into the top of the Aqua Channel to enable a straight connector with a removable cap and rubber seal to be solvent welded to a male coupling. Additional pipework may be added, if required, to suit location of inspection point.

CORNER PIECE

Corner pieces are used at changes in direction of the Aqua Channel.



IN-LINE 'T' PIECE

In-line 'T' pieces are used to tee-off the Aqua Channel where it is required to dissect the floor, or to discharge into a centrally located sump.

