



## Triton Aqua Channel

### Description & Use

TRITON AQUACHANNEL is a P.V.C drainage conduit designed for the control of water ingress in below ground situations.

TRITON AQUACHANNEL is fitted around the perimeter of the floor at the vulnerable wall/floor junction.

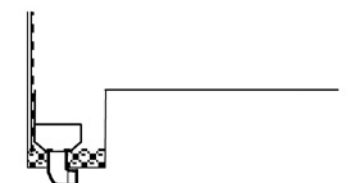
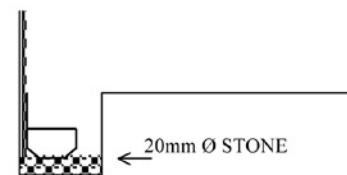
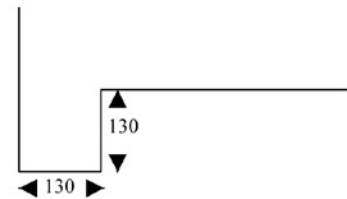
TRITON AQUACHANNEL can be used in most waterproofing situations, and is particularly suited for use in conjunction with Isola Platon Cavity Drain Membrane systems. Water entering the building through the walls is controlled behind the Platon Membrane and diverted to the Aquachannel at the base of the wall. The water enters the Aquachannel through pre-drilled drainage holes and must then be diverted to a suitable drainage point, either natural or a sump and mechanical pump (see Triton Aqua Pump).

In situations where an existing floor slab/screed is solid and showing no signs of water ingress, cracking or de-bonding, the installation of Aquachannel can eliminate the need for Platon Cavity Drain membrane on the floor, proving beneficial in areas of limited headroom.

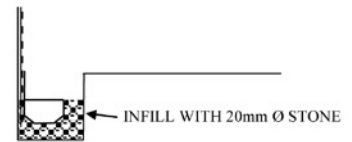
The application of a liquid waterproof coating to the existing floor would be recommended to act as a moisture suppressant.

### Installation

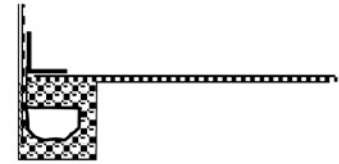
1. Form a trough 130mm deep x 130mm wide in the floor at the wall/floor junction.
2. Apply the waterproof coating or System Platon Cavity Drain Membrane to the wall and finish 100mm minimum below existing floor level.
3. Lay a shallow bed of 20mm stone into the trough. Place the Triton Aquachannel onto the stone with the upstand to the top and flat against the waterproofing/cavity drain membrane to the wall. Lengths of Aquachannel are butt jointed on straight runs and can be mitred in corners. Joints should be sealed with a suitable tape, Platon over tape or builder duck tape, to avoid debris from falling into the channel.
4. Fit the Aquachannel outlet into the Aquachannel at the appropriate location. The Aquachannel outlet requires a 40mm hole in the underside of the Aquachannel. The Aquachannel outlet is solvent welded to the channel using the internal male coupling. A chase should be formed into the floor to accommodate the outlet pipe from the Aquachannel to the sump or drain.



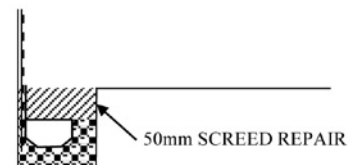
5. Infill the remaining gap between the Aquachannel and the side of the trough with 20mm stone and finish flush with the flat surface of the Aquachannel.



6. When installing Platon membrane over the floor, make good the remaining area with 20mm stone. Lay the membrane over the floor area and seal to the wall membrane using Platon wall/floor junction or Platon Sealing rope.



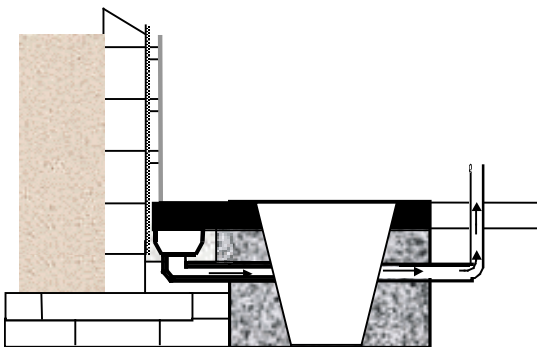
7. When Platon membrane is not going to be installed over the floor, make good the remaining area with approximately 50mm screed.



## Maintenance

It is recommended that the Triton Aqua channel be jet washed via the rodding eyes, which should be incorporated in the channel system, at least once every six months. This should be carried out by the installing contractor (under a maintenance contract) or by the property owner. During this cleaning process the pump/s (if installed) should also be run with water out of the sump chamber to ensure they are fully operational and that the sump chamber be cleaned of any sludge/silt that may have accumulated. In addition to this, the high water level battery alarm box and alarm sensor should also be checked for working order.

## Typical Installation



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