

PermaSEAL Basement Drainage System Drainage Channels & Accessories



As part of the PermaSEAL[®] Cavity Drain Waterproofing System, the PermaSEAL[®] Basement Drainage System is designed to be used in conjunction with the PermaSEAL[®] cavity drain membranes and sump and pump systems to effectively collect and safely transport water to an evacuation point to be removed from the basement.

The simple, interlocking design allows the installer to quickly site the drainage system into place. The accessories have been designed to efficiently interlink with the drainage channel and floordrain. Unlike other drainage systems they are designed to have smooth internal joints which means silt, calcium carbonates and free lime build ups are minimised maintaining a smooth flush interior throughout maintaining the free movement of water.

The drainage channels should ideally be installed at the wall/floor junction around the perimeter of the basement. Where channels cannot be installed at the wall floor junction, they may be sited away from the perimeter walls to suit the local environment.

Additionally, consideration should be made by design for the maintenance of the channel system and jetting eyes should be sited where appropriate. In larger basements, floor drain can be used for cross-floor spans to reduce the distance over which water drains to reach the discharge point.

When correctly specified and installed the PermaSEAL[®] Basement Drainage System complies with BS8102:2022 Type C Waterproofing – Drained Protection as a maintainable drainage system.



PermaSEAL Drainage Channel

PermaSEAL Drainage Channels collect and safely transport water as part of a Type C cavity drain system. Installed at the bottom of a cavity drain membrane at the wall/floor junction, the drainage channel effectively channels water to a suitable evacuation point.



PermaSEAL Drainage Channel Corner Piece

PermaSEAL Drainage Channel Corner Pieces can be used around the perimeter of a structure or in any central drainage installed across the floor allowing water to flow easily through the drainage system. With a simple slot connection, they connect effortlessly to PermaSEAL Drainage Channels both with and without upstands.



PermaSEAL Floor Drain

PermaSEAL Floor Drain Channel collects and safely transports water as part of a Type C cavity drain system. Installed across floors and at door thresholds, the drainage channel effectively channels water to a suitable evacuation point.



PermaSEAL Drainage Channel T Piece

PermaSEAL Drainage Channel T Pieces can be used around the perimeter of a structure or in any central drainage installed across the floor allowing water to flow easily through the drainage system. With a simple slot connection, they connect effortlessly to PermaSEAL Drainage Channels both with and without upstands.



PermaSEAL Drainage Channel Connector

PermaSEAL Drainage Channel Connectors can be used around the perimeter of a structure or in any central drainage installed across the floor allowing water to flow easily through the drainage system. With a simple slot connection, they connect effortlessly to PermaSEAL Drainage Channels both with and without upstands.



PermaSEAL Drainage Channel Adaptor

PermaSEAL Drainage Channel Adaptor fits into the drainage channel and the other accepts a 50mm ID flexible pipe. This outlet pipe then connects to either a sump and pump unit or a natural drainage point. Any water entering the cavity drainage system is safely removed, protecting your structure.



PermaSEAL Drainage Channel Jetting Eye & Inspection Port

PermaSEAL Drainage Channel Jetting Eye & Inspection Ports easily connect to PermaSEAL drainage channels. They allow you to inspect, maintain and clean the basement drainage system. It is important to carry out regular cleaning of your drainage system to avoid blockages that could impact performance. With jetting eyes you can use water to jet away any blockages and flush out debris.



PermaSEAL Drainage Channel End Cap

The PermaSEAL Drainage End Cap slots onto the end of a PermaSEAL Drainage Channel or Floordrain, effectively sealing the end of the run. Generally used where the drainage channel is being installed on a single run along a wall or where the basement is subterranean and not all walls are having cavity drain membrane installed therefore the channel needs to terminate.