

HYDRO-PRUFE®
WATERPROOFING & ROOFING SYSTEMS



HYDRO-PRUFE® BELOW GRADE

Hydro-Prufe® 80 mil is an unreinforced PVC Thermoplastic Sheet Membrane. The PVC membrane is specially compounded to remain watertight in a sub-grade environment of constant dampness, high alkalinity, exposure to plants, roots, fungi, and bacterial organisms, as well as hydrostatic pressures resisting up to 550 feet of water head. Used as a buffer mat, Hydro-Ultra Mat B is a non-woven polypropylene mat filled with sodium bentonite granules which is placed between the Hydro-Prufe® PVC and substrates.



Induction Welding Discs

Hydro-Gard's induction welding discs are manufactured with adhesive applied to the face of the disc which is then used for the heat welding application of the Hydro-Prufe® PVC sheet membrane which results in the PVC membrane being fused to the induction disc.



Centrix Magnet Clamp

The Centrix Magnet Clamp is used to secure the Hydro-Prufe® PVC membrane to the induction plate behind the membrane. In vertical applications once the induction weld is complete the Hydro-Prufe® PVC membrane is secured in place.

WHAT HAPPENS IF THERE'S A LEAK?

Hydro-Prufe® PVC Waterstop is an extruded PVC Waterstop used in the application of the Hydro-Prufe® PVC 80 mil waterproofing system. It is primarily used to create compartmentalization within the Hydro-Prufe® PVC waterproofing system in below grade applications. The compartments or segments create individual cells within the Hydro-Prufe® waterproofing system. These cells are designed to allow localized compartments and when the Alko-Injection hoses are placed within the cells it allows for future injection if the Hydro-Prufe® PVC system is breached or damaged.

Alko-Injection is a double-jacketed PVC based hose with offset openings and/or slots for the disbursement of compressed injection materials to seal concrete construction joints in subterranean structures. The openings in the inner hose are off set from the openings in the outer hose, preventing concrete, silt and other debris from entering the disbursement slots. Hydro-Gard's Alko-Injection box is used to start and end each section of injection hose. When installing the Alko-Injection hoses the beginning and end of each hose is terminated inside the box. Forms are put in place over the face of the box. When forms are removed, the box is exposed, similar to an electrical box in any wall. When used in segmentation compartments the box will act as an indicator if water enters the compartment by water leaching out of the box. The box then provides the means to inject into the Alko-Injection hoses behind the wall. This eliminates the need to drill and inject grouts directly into the wall and allows the injection process to grout behind the wall and up against the waterproofing system.



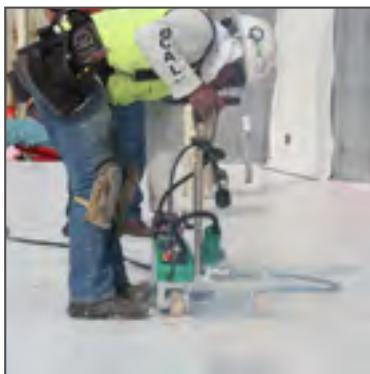
Hydro-Prufe® PVC Waterstop



Alko-Injection Hose inserted in box



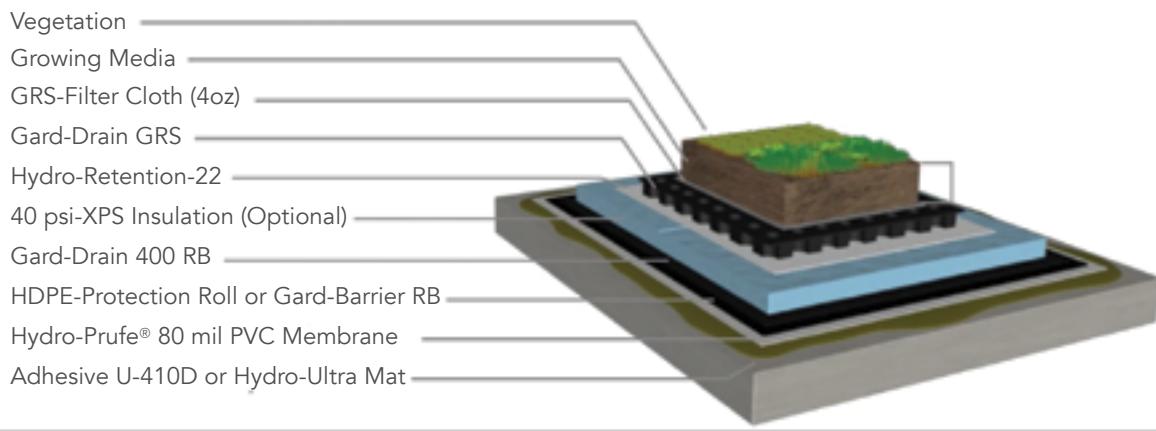
Classic example of a failed waterproofing system



GREEN ROOF SYSTEMS

Despite the emphasis on ecological benefits, experience tells us that nothing will discourage the enthusiasm for green roofs as much as a leak in the boardroom below.

Hydro-Prufe® Green Roof Intensive



TESTED & APPROVED

ICC Evaluation Service (ICC-ES) placed Hydro-Prufe® PVC thermoplastic sheet membrane against their stringent testing requirements and in evaluation report #ESR3465 states it meets code requirements.



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