



Hydra-Guard™ Waterproofing Membrane



Keep Your Basement Dry

You do not expect the roof of your new home to leak, so why not your new basement? Keeping a home and its belongings dry starts below ground level. Without Hydra-Guard™ Waterproofing Membrane your basement could leak. It could be next year, next month or tomorrow. The truth is that any time is the wrong time. Basements offer little resistance to water and need the protection that Hydra-Guard™ provides.

What is Waterproofing?

For decades basements were only dampproofed. Dampproofing only stops water vapor, not water under hydrostatic pressure. Also, dampproofing is brittle and can not bridge cracks in a basement. To stop water from entering a basement, waterproofing needs to be seamless, stretch over cracks in the foundation and withstand water under hydrostatic pressure. Hydra-Guard™ is a polymer modified asphalt that exceeds all of these requirements at an affordable cost.

Foundation Preparation

Before spraying Hydra-Guard™, the foundation must first be readied. The walls should be clean and free of loose material, such as mud or dirt that may prevent Hydra-Guard™ from bonding to the concrete. Wall ties need to be broken off and coated with either a mastic or grout. Also, fill voids and honeycomb with mastic or grout to provide a smooth surface for the installation of Hydra-Guard™.

When to Apply Hydra-Guard™

Hydra-Guard™ can be applied as soon as the foundation forms are removed. However, to get a good bond, the walls must be dry and not have standing water on the footers. Hydra-Guard™ has the advantage of being able to be sprayed as low as 25°F if the walls are free of frost. Spray application with a gun or wand provides the most uniform application to a basement wall.

After Application

Once application is complete, Hydra-Guard™ will be ready to backfill after 12-24 hours. The final thickness after curing is 40 mils. An exterior and interior drainage system will then direct water either to daylight or a working sump basket.



When installed by a Professional Selected Contractor, Hydra-Guard™ will provide years of worry free protection from water seepage.

Professional Selected Contractors

Only Selected Contractors can apply Applied Technologies' waterproofing products. This ensures that a professional job is correctly done every time. Your local Selected Applicator can answer any questions you may have about waterproofing your home.



*See Actual Warranty for Details

Hydra-Guard™ Waterproofing Membrane Specifications

Physical Properties

Type	Polymer Modified Asphalt Membrane
Color	Black
Solid Content	70-77%
Density	7.9 lb/gal.
Minimum Application Temperature	0°F
Application Method	Brushed, Rolled, or Spray Applied
Application Thickness	60 mils wet, 40 mils cured
Cure Time	12-24 Hours
Coverage Rate	25-35 ft ² /gal

Membrane Test Results

<u>Properties</u>	<u>Results</u>	<u>Test</u>
Resistance to Water Flow		
Bond Adhesion to Substrate	Good	ASTM D 466, par 5
Remulsification	None	
Ability to Remain in Place	Good	ASTM C 836-89, par 5.9
Tensile Strength	48 psi @ 75°F	ASTM D 412
Elongation	1725%	ASTM D 412
Resistance to Mold	No Growth	ASTM D 3274
Water Vapor Permeance	WVT (grains/ft ² /hr) 0.12 WVP (perms) 0.28	ASTM E 96 wet cup method
Water Solubility	None	ASTM D 2939 par 17
Resistance to Hydrostatic Pressure	No Leaks No Weight Gain to Substrate	Fed. Spec. TT-C-555 B, par 4.4.7
Crack Bridging	Exceeds 10 Cycles to 1/8" @ -15°F	ASTM C 836 par 5.7