

City of Bozeman Building Division
Damp Proofing / Water Proofing Self Verification Form

Damp proofing- Required for crawl spaces.

Damp proofing is a process that involves using a mixture (traditionally tar or unmodified asphalt) as a coating on the exterior side of a structure and has one main purpose: stopping the transference or wicking of ground moisture through concrete. Typically the damp proofing coating cured thickness is less than 10 mils thick. It is a basic, acceptable form of treatment in many situations. Damp proofing is not intended to keep all water and moisture out, but rather its goal is to retard moisture infiltration by blocking the capillaries of concrete, which slows water penetration.

Drawbacks of damp proofing include an inability to seal larger cracks, large bug holes, holes left by form ties, surface protrusions and potential damage caused by coarse or careless backfilling due to the limited thickness applied and the brittle nature of the product.

Waterproofing- Required for basements.

Waterproofing concrete is designed to stop water infiltration through a concrete structure. Waterproofing materials have the ability to bridge cracks that develop over time due to their elastic, flexible nature and the thickness of the applied coating. Waterproofing materials also are designed to withstand hydrostatic pressure and are often in excess of 40 mils.

According to ICC-ES, components, methods and materials, waterproofing must be able to do three things. First, it must stop water vapor, the gaseous form of water that can be released by the surrounding soil and can move through concrete. Second, waterproofing membranes must be able to stop water under hydrostatic pressure. Third and most important is that waterproofing must be able to span a crack in the treated concrete.

	Yes	No	Material Used
Water Proofing			
Damp Proofing			
Perimeter Drainage System			

Owner's Name _____ Building Permit # _____

Project Address _____

Contractor _____

I hereby certify that the damp proofing, water proofing and perimeter drainage system (if applicable) were installed according to the requirements of the 2018 International Residential Code and applied according to the manufacturer's specs for the material used.

Signature _____ Title _____

Company _____ Date: _____

Received by _____ Date: _____

City of Bozeman Building Inspector