

Bakor Cold Process Liquid Applied Foundation Waterproofing & Dampproofing 700-01 and 710-11

What is the difference between waterproofing and dampproofing?

Materials designed to act, as **waterproofing** must have the ability to resist a hydrostatic head of water pressure. Materials designed to act as **dampproofing** must have the ability to resist the ingress of dampness and do not have the ability to resist a hydrostatic head of water pressure.

Can products used for dampproofing also be used for waterproofing?

Yes. Asphalt base products such as Bakor 700-01 Asphalt Emulsion and Bakor 710-11 Premium Grade Foundation Coating can be applied in one coat to act as a dampproofing layer or they can be applied in multiple coats using Bakor 990-06 Yellow Jacket mesh to act as a heavy duty waterproofing system.

What can I use for just dampproofing?

Bakor 810-07 Roof & Foundation Coating is an economical and popular dampproof coating.

Do you have any advice for specifiers?

When it comes to asphalt based dampproofing and waterproofing products we notice that specifiers produce confusing specifications. This is more a result of the contents of the National Master Specification than anything else. Henry Canada can supply advice on how to prepare the dampproofing section of project specifications in order to prevent confusion on the job site.

How are liquid systems different from preformed sheet systems?

Liquid systems conform more readily to substrate irregularities than sheets, making liquids ideal for retrofit/repair applications. Full contact with the substrate is achieved more readily, reducing the chance of voids in the bond.

Why is bond important?

Membrane bond is critical in the event that there is damage to the system causing a break or breach in the membrane. A well-bonded membrane controls lateral water migration. If a membrane is not well bonded water can travel freely between the membrane and substrate until it finds a way into the building. Repair work is also much more difficult because the entry point of the water cannot be located.

How are liquid waterproofing membranes applied?

There are two main modes of application, which could be divided into Low Tech and High Tech.

Low Tech: Keeps it simple. Apply by stiff bristle brush or trowel. Cover the substrate and make it black, apply reinforcing fabric and make the fabric black, repeat until the specified number of layers are applied. Suitable for large or small jobs.

High Tech: Rather than brushing, the same waterproof coatings can be applied using high tech spray equipment. Most practical on large scale projects.

In today's fast-paced construction market keeping on schedule is essential. Is there a product that can be applied right after the concrete forms are removed?

Yes. Bakor 700-01 Asphalt Emulsion can be applied to green concrete. In fact, green or damp concrete actually results in a superior bond.

What about cold weather applications?

On applications below 5°C, Bakor 710-11 Premium Grade Foundation Coating is used. Bakor 710-11 is not damaged by freezing temperatures.

How long do we have to wait before backfill?

The membrane should cure before placing backfill or other covering layers such as protection board, drainage board or polystyrene insulation. Cure time is dependent on temperature and air circulation. Also, the fewer the number of coats, the faster the cure time. Generally, Bakor 700-01 Asphalt Emulsion can be backfilled the next day. Bakor 710-11 Premium Grade should be allowed about 48 hours to cure.

How do we know when the cure is complete?

Use the finger test. Push your finger against the membrane. If your finger comes off clean, the membrane has adequately cured and is ready for backfill.

Is a protection board required?

Dampproofing – Protection Board is not required.

Waterproofing – Protection Board is required.

What types of protection board should be used?

Henry Canada recommends light weight Bakor 990-31 Polypropylene Protection Board or our Bakor Asphalt Protection Board. Drainage layers are also fully compatible with Bakor waterproofing and dampproofing products.

How is it held in place?

Protection Board can be placed at the same time as back fill. The backfill then holds it in place. Preferably, protection board is applied prior to backfill and held in place with Bakor 230-21 Adhesive. < >