



## INJECTION MORTAR

### DESCRIPTION

**Kingfisher INJECTION MORTAR** consists of Portland cement, specially treated quartz sand and active chemicals and is designed to halt both hydrostatic water pressure and rising damp.

This product compliments the **Kingfisher TANKIT** waterproofing system by installing a pore blocking vertical DPC into abutting walls which are in contact with tanked walls. This isolates the water pressure within the tanked structure.

The active ingredients diffuse through any water present in the capillaries of within the mortar joints and react with the free lime to form a hydrophobic chemical complex which physically blocks the capillaries.

### USES

**Kingfisher INJECTION MORTAR** is particularly advantageous in 4½” single brick walls, In thick rubble walls and in very wet walls. It is especially suitable for use in food preparation areas and/or public places where chemical fumes are unacceptable.

### COVERAGE.

Usage rate depends on the soundness and porosity of the structure. The following table serves as a guideline.

Wall Thickness (mm)	230	290	350	470
Usage Kg/linear metre	1.1	1.4	1.8	2.4

### PACKAGING

The product is supplied packed in 25 Kg. bags.

### PREPARATION for USE.

Holes should drilled using a 19 – 22mm diameter drill bit. Drilling is normally carried out from one side only, but in certain circumstances it may be advantageous to drill from both sides e.g. in random stonework with rubble infill or in very thick walls. In both cases the holes should be drilled at no more than 110mm centres and at a downward angle of about 30° to the horizontal. In order to obtain a continuous damp proof course throughout the structure, it is important to ensure that all holes are drilled to the full depth, at the same downward angle and with uniform distance between them.

When drilling from from one side only, the holes should be drilled to finish 50mm from the far side.

When drilling from both sides the holes should finish just over halfway through the wall. Prior to drilling internally, skirting and any fixtures must be removed. Plaster should be removed to a height of 1 metre or 300mm above the visible signs of the dampness.

Single brick walls (4½"/115mm) can be treated by raking out the suitable joint to a depth of 25mm (A Kwikpoint Mortar Rake is ideal for this) and repointing with **Kingfisher INJECTION MORTAR**.

#### **APPLICATION.**

The **Kingfisher INJECTION MORTAR** is mixed by adding 5 parts (by volume) of mortar powder to 2-3 parts clean cold water and stirring thoroughly. A smooth cream consistency should be achieved. If the mixture thickens shortly after mixing, restir it. **DO NOT** add more water. Fill the cartridge gun immediately with the mortar and gun into the injection holes. Note :- Prior to injection of the mortar the holes should be cleaned thoroughly by flushing with clean water.

The mortar is then injected while the holes are damp. Fill the injection holes from the back to the front, ensuring no air gaps. The mortar should be stopped off about 50mm from the top of the hole. A few minutes after filling, it will normally be necessary to partly refill the holes as the **Kingfisher INJECTION MORTAR** settles into the fine cracks and voids. Excess or spilt material should be removed before it sets.

After the Injection Mortar has set the holes must be sealed off with a 3:1 sharp, washed sand and cement mixture incorporating **Kingfisher RENDERMIX**.

#### **HEALTH and SAFETY.**

**Kingfisher INJECTION MORTAR** is non combustible, non-toxic, odourless and asbestos Free. When mixed with water the mixture becomes highly alkaline and can cause skin irritation. Use suitable protective gloves and clothing during mixing and injection. Wash spilt mixture from skin immediately. A mask should be worn when the mixture is dry and eyes must be protected at all times.

If the mixture gets into the eyes, flush with clean water. If irritation persists seek medical attention.

Further Health and Safety information on this product is provided in the MSDS, copies of which are available from the Kingfisher Technical Dept Tel. 01229 869100 or Fax 01229 869101.