



KINGFISHER POINTING MORTAR

DESCRIPTION

“Kingfisher Pointing Mortar” is a dry cement based powder premixed with appropriate proportions of sand, Portland cement, lime (Heritage colour only) and pigments to produce a uniform coloured mortar. The product requires the addition of “Kingfisher Pointing Solution” diluted with water (1 part “Pointing Solution” to 5 parts water) to give a non-shrink, waterproof and decorative finish.

Companion / Related Products:

- Kingfisher “Bio-Wash”.
- Kingfisher “Bio 3” stone and brick cleaner.
- Kingfisher “Pointing Solution”.
- Kingfisher “Extreme Climate” one coat masonry protection.
- Kingfisher “Quikpoint Gun” rapid pointing system.

Refer to these individual product data sheets for detailed application guidance – published on our website www.kingfisheruk.com.

USES

For professional re-pointing of all types of brickwork and stone work in domestic, commercial, agricultural and industrial buildings where consistency of colour is desired in remedial or restoration works. Note: Our “Heritage Lime” is suitable for most restoration pointing being a soft mix of 6 parts sand, 1 part cement and 1 part lime with a natural lime colour. Kingfisher “Pointing Mortar” is the ideal companion to our “Quikpoint Gun” rapid pointing system.

ADVANTAGES

- **Excellent colour consistency.** Achieves uniformity of colour that conventional “batch mixing” of sand/ cement/ plasticiser & mortar dye cannot match.
- **Non-shrink.** Used in conjunction with Kingfisher “Pointing Solution” reduces shrinkage cracks.
- **Time & Cost Saving.** Less time compared to mixing and measuring sand/ cement /plasticiser and mortar dye. Phenomenal productivity gains when used with “Quikpoint Gun” – 5 times faster than traditional methods.
- **Reduced Maintenance.** Professional “Quikpoint” users will save time and maintenance costs because the finely graded pointing mortar formulation (gauged with “Pointing Solution”) is smoother and therefore much kinder to the mechanism and parts compared with standard mortar batch mixing.
- **Waterproof.** The combination of “Pointing Mortar” and “Pointing Solution” results in a polymer modified joint which is shower proof in around 20 minutes, reducing the potential for wash-out and staining during curing. Longer term they provide a high performance waterproof joint, superior to that provided by standard mortar mixes.

SURFACE PREPARATION

1. Pre-treat with "Bio Wash" (kills moss, green mould & lichens).

Liberally spray the entire wall surface with Kingfisher "Bio Wash" using a low pressure sprayer (as for garden weed-killer) and leave to activate. This effectively sanitises the wall by killing the obvious areas of moss, lichen and green mould growth as well as the hidden spores buried deep in the substrate and mortar joints.

2. Clean Wall (remove debris)

The extent and type of cleaning required will depend on the condition and type of wall. Typically a wall that needs re-pointing will be in a vulnerable state, with crumbling mortar joints and possibly "blown" faces. Consequently aggressive cleaning methods like pressure washing are unlikely to be appropriate as this will inevitably result in further damage and in the worst case moisture penetration into the building.

Use hand wire brushes and the extended pole type for harder to reach areas (available from Kingfisher) to remove stubborn deposits. Typical black carbon marking can often be removed very effectively with two applications of Kingfisher "Bio 3" stone and brick cleaner (neutral formula). Old mortar staining can be removed using Kingfisher "Max Strength" patio cleaner which is a traditional formula brick acid with a cleaning agent (wear impervious rubber gloves and full eye and face protection).

Note: Vulnerable or friable areas should be tested on a small area with different cleaning methods before full treatment.

3. Rake out Joints

The key to successful re-pointing that doesn't "fall out" at the first sign of bad weather is to ensure that the joints are correctly prepared. This means removing as much of the old mortar as possible without damaging the surrounding bricks or stonework. Joints should be raked to a depth 1.5 times their width which is sufficient to give the joint both intrinsic mechanical strength and sufficient adhesion into the substrate.

"Raking out" can be effected by using manual mortar raking tools and wire brushes on both stone and brick work. However, professional operators should use our "Mortar Rake" kit which can be fitted to most small angle grinders and is perfect for use on large areas of brickwork where rapid preparation is essential to site productivity. The sole plate ensures smooth progression and precision cutting depth while the cutting blade (router) is available in 3 different sizes to suit most joint widths.

Note: We do not recommend raking out with angle grinders fitted with circular diamond blades as these are prone to "running out" and "gashing" brickwork. Our "Mortar Rake" has the advantage of powered cutting speed but with a level of control similar to a joiner's "router", you risk very little damage to surrounding masonry.

Finally brush out and flush loose material residues from the joint with a compressed air line or a soft hose. Leave damp.

APPLICATION

Having cleaned the surface and raked to a minimum depth of 1.5 times the width of the joint you are now ready to apply the mortar.

1. **Pre-mix Gauging Liquid.** In a 10L builders bucket or similar mix one part "Pointing Solution" to 5 parts water and stir.

2. **Mix mortar.** In another container add the desired quantity of mortar (we recommend starting with a small 5Kg mix) and then slowly add the diluted "Pointing Solution" (approx 0.8 litres per 5 Kg mortar). Ideally you should power paddle this with a Kingfisher mixing attachment on a slow speed drill (400-600 rpm) until you achieve a workable consistency. The Kingfisher attachment does not entrain air into the solution thus eliminating the possibility of unnecessary shrinkage. Note: The amount of liquid added should not exceed 4 litres per 25 kg bag of dry mortar. If the facilities/tools for power mixing are unavailable then the mortar can be mixed by hand. Mix only small (5kg)

quantities by adding powder to diluted pointing solution. Stir vigorously with a flat bladed trowel or paddle. Ensure contents are thoroughly mixed,

3. **Stand.** Allow the mortar to stand for about 5 – 10 minutes to allow full saturation, and briefly remix, adding a small amount of liquid, as necessary to give optimum consistency.

4. **Apply.** Either fill the Kingfisher “Quikpoint Gun” and apply in accordance with equipment instructions or trowel apply by traditional method. Strike off excess to required shape when mortar has lost its sheen and finish smoothly with a slender pointing trowel/ spatula.

5. **Water Repellent Treatment.** For long term protection of both the new pointing and crucially the brick or stone work, apply one coat of Kingfisher “Extreme Climate” to the entire wall. This gives up to 10 years protection against penetrating damp.

COVERAGE

Pointing Mortar Quantity for Bedding, Pointing, Repointing & Rendering. Rules of thumb to estimate mortar quantity, repointing and rendering as follows:

Repointing Bricks, Blocks & Stone Masonry

10kg mortar will repoint 1 square metre of brickwork with joints 10mm wide x 20mm deep.

10kg mortar will repoint 17 linear metres with one continuous joint 10mm wide x 20mm deep.

Bedding & Laying Bricks, Blocks & Stone Masonry

10kg mortar will lay 10 bricks with a 10mm joint (where brick size: 230mm x 100mm x 10mm deep.)

20kg mortar will lay 10 blocks with a 10mm joint (where block size: 460mm x 100mm x 10mm deep.)

Rendering

15kg will cover 1 square metre of render at 10mm thick.

Please note, the foregoing quantities are approximate, don't forget to allow for wastage, typically around 5% to 7%.

PRODUCT DATA

Appearance	Coloured Mortar (Matt)
Coverage	10kg mortar will repoint 1 square metre of Brick work with joints 10mm wide x 20mm deep See notes above for more detail.
Initial Cure	Shower proof in 30 minutes @ 20 °C Initial Cure 24 Hours @ 20 °C
Full Cure	1 month
Application temperature	+6 °C to +28 °C
Service Temperature	-20 °C to +50 °C

STORAGE

Store in original packaging unopened in a cool dry place, out of direct sunlight. Note: Once moisture contaminated the product is unusable.

SHELF LIFE

The product has a shelf life of 6 months from the date of manufacture, subject to correct storage conditions.

HEALTH & SAFETY

The product contains cement which presents a hazard to health in dust form and is a potential skin irritant also. Take care to decant the product slowly so as to minimise dust release, especially in windy conditions.

- When preparing and cleaning surface wear a dust mask.
- Wear appropriate protective gloves and dust mask when mixing/using product.
- Avoid contact with skin and eyes.
- If contact occurs wash immediately with plenty of water.
- Keep out of reach of children.
- Always dispose of empty packaging responsibly.

Users should refer to the relevant Material Safety Data Sheet before commencing work.

For further Health and Safety information and before using this product please refer to the Kingfisher Material Safety Data Sheet (MSDS), copies of which are available from our website www.kingfisheruk.com or from the Kingfisher Technical Dept. Tel. 01229 869100 or Fax 01229 8681



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