

Kingfisher Lime Pointing Mortar

Full Cure at 15 to 20°C	90 days
Max Aggregate Size	2mm
Bag size	25Kg
Lime to Sand Ratio	1:2
Typical compressive strength after 90 days	5.0 N/mm ²
Resistance to Freeze/ Thaw when cured	High
Resistance to Sulphates when cured	High
Mortar Durability Class	7-8
Quality Control procedures in accordance with:	BS EN ISO 9001
Storage Temperature	5 to 30 degrees C
Application Temperature	+6 to + 25 degrees C



DESCRIPTION

“Kingfisher Lime Pointing Mortar” is a cement-free blend of natural hydraulic lime and carefully selected aggregates, with additives designed to improve the workability of the mortar when repointing. The resulting mortar is vapour permeable, highly workable, flexible, and durable. Available in four attractive colours, to suit a broad spectrum of brick and stone masonry, with a strength class of M5.0.

Companion/ related products:

- Kingfisher “Pointing Solution”
- Kingfisher “Quikpoint Gun”
- Kingfisher “Bio-Wash”
- Kingfisher “Extreme Climate”

USES

“Kingfisher Lime Pointing Mortar” is a versatile pointing mortar which can be used for repointing brick and stonework in both renovation and new build scenarios. Additionally, it is perfect for application to decorative brick slip installations.

- Restoration of stone & brickwork
- Heritage Projects
- Brick slip panels



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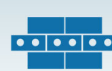
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Paving Sealers

Timber Treatments



Damp Proofing

Membranes



Basement Waterproofing

FEATURES

“Kingfisher Lime Pointing Mortar” is compatible with the Kingfisher “Quikpoint” mortar gun system which dramatically increases the speed with which re-pointing projects of all sizes can be tackled. For improved water resistance it can be mixed with “Kingfisher Pointing Solution”.

- Portland cement free, lime-based formulation
- Suitable for many “Heritage” and / or “Listed” building projects
- Predictable colour consistency without the risk of on-site mixing errors
- Long-term durability
- Easy to use, just add water
- Softer when cured than Portland cement, providing superior frost protection in many “Heritage” scenarios
- Great workability & versatility when re-pointing
- Reduced efflorescence and lime bloom
- Autogenous healing
- Time & Cost Saving. Less time compared to mixing and measuring sand/ cement /plasticiser and mortar dye. Phenomenal productivity gains when used with “Kingfisher 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 moving parts compared with standard mortar batch mixing.

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 weedkiller) 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

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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 ideally 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.

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.

Finally brush out and flush loose material residues from the joint with a compressed air line or a soft hose. Do not over-wet, as this may cause efflorescence to develop. Leave damp.

APPLICATION

Having cleaned the surface and raked to a minimum depth of 1.5 times the joint width. You can simply add water to the powder or improve your mix with "Kingfisher Pointing Solution":

1. **Pre-mix "Pointing Solution" gauging liquid.** If using our polymer modified "Kingfisher Pointing Solution" to improve moisture resilience and/or to enhance the smooth operation of your "Quikpoint Gun", mix one part "Pointing Solution" with 5 parts clean 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 clean water or the diluted "Pointing Solution" (approx 0.8 to 1.0 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 water added should not exceed 5 litres per 25 kg bag of dry mortar OR 4 litres if using the gauging liquid ("Pointing Solution"). 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. To check the consistency; load a small amount of mortar onto the top face of your trowel, gently tap to spread evenly and turn it upside down. The mortar should remain stuck.

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" hopper and apply in accordance with equipment instructions or trowel apply by traditional method.

a) If using the "Kingfisher Quikpoint Gun" insert the nozzle at least 4mm into the joint and gently squeeze the trigger.

b) Fill the vertical joints first and after 1 to 2 m return to fill the horizontal joints.

c) Draw the nozzle slowly along the joint, matching the delivery flow rate such that the bead of mortar effectively fills from the back of the joint.

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d) Strike off excess to required shape when mortar has lost its sheen and finish smoothly with a slender pointing trowel/ spatula.

e) Brush off any excess mortar after initial set but before it fully cures.

5. **Water Repellent Treatment.** For long term protection of both the new pointing and crucially the brick or stonework, apply one coat of “**Kingfisher Extreme Climate**” to the entire wall. This gives up to 10 years protection against penetrating damp. Allow the mortar to cure for 14 days before applying “Kingfisher Extreme Climate”.

CURING

Cover work with damp hessian to avoid rapid drying (which can cause shrinkage cracks) and in hot drying weather, regularly mist/spray the hessian with water. Rain-soaked masonry could lead to efflorescence and/or lime bloom so in wet weather use plastic sheeting (e.g., DPM) to protect from showers or prolonged rain.

COVERAGE/ YIELD

Repointing Bricks

The typical coverage is 4 to 5 sq m per 25 Kg bag for standard brickwork. This is based on a 10mm wide joint with an average depth of 15mm.

Repointing Stone Masonry

This can be more difficult to estimate as stone sizes vary, making it difficult to calculate projected mortar usage. Chalk mark a test area of 1 sq m which is representative of the area to be treated and carefully note the volume or weight of pointing mortar used. This will give you a fairly accurate coverage rate with which to calculate the balance needed to re-point the whole area.

Repointing Blocks

Blocks come in varying sizes but assuming a 10mm wide joint, 25Kg will re-point 45 to 50 linear joint metres at 15mm depth.

Please note, the foregoing quantities are approximate, you should allow for wastage, typically around 5% to 7%.

PACKAGING

Nominal 25Kg bags, paper with plastic lining for moisture protection.

STORAGE

Store indoors in a cool dry place, clear of the ground at temperatures between 5°C to 30°C.

SHELF LIFE

6 months from date of manufacturer, when unopened, undamaged, and stored correctly.

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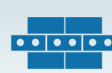
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HEALTH & SAFETY

Kingfisher Aquatech is classified as an irritant and eye protection; protective gloves and overalls should be worn when handling. Avoid breathing dust particles. Before using this product read the Material Safety Data Sheet which can be obtained at www.kingfisheruk.com or by calling the Kingfisher Technical Dept. Tel: 01229 869 100.

The information given in this product data sheet is given in good faith, based on current knowledge and experience. It relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of the company's knowledge and belief,

accurate as of the date indicated. All recommendations are made without warranty or guarantee, as to accuracy, reliability, completeness since the conditions of use are beyond our control. It is the user's responsibility to satisfy themselves as to the suitability and application of such information for their own use.