

## PRODUCT DESCRIPTION

NO MORE DAMP Universal Mortar is a single component, thixotropic, fibre reinforced, polymer modified cementitious mortar. The product cures to produce a high performance, fair faced levelling coat, render and profile mortar with enhanced waterproofing properties.

## TYPICAL USES

- Waterproofing and protection against water and moisture.
- Mortar for waterproofing, levelling and re-profiling
- Fillet at wall / floor, wall / wall and wall / ceiling junctions
- Foundations, slabs, retaining walls etc.
- Drinking water structures when finished with HydraDry Tanking Slurry
- High build repair mortar

## ADVANTAGES

- ✓ **IDEAL FOR USE WITH SPECIALIST WATERPROOFING SYSTEMS SUCH AS TANKING SLURRY**
- ✓ **FIBRE REINFORCED TO GIVE IMPROVED TENSILE AND IMPACT STRENGTH**
- ✓ **HIGH BOND STRENGTH WHICH ENSURES MONOLITHIC PERFORMANCE**
- ✓ **SUITABLE FOR HORIZONTAL, VERTICAL AND OVERHEAD APPLICATIONS**
- ✓ **WIDE RANGE OF APPLICATIONS FROM A SINGLE PRODUCT**
- ✓ **ECONOMIC MORTAR WHICH GENERALLY REQUIRES NO SUBSTRATE INTER-LAYER PRIMING**
- ✓ **DENSE MATRIX PROVIDES EXCELLENT PROTECTION FROM MOISTURE AND CHLORIDES**
- ✓ **FACTORY BATCHED MORTAR WHICH PROVIDES CONSISTENT QUALITY**



## PROPERTIES

Technical Data	
Colour	Grey
Hardened Density* (Approx.)	1950 Kg/m <sup>3</sup>
Pot Life (Approx.) at 20°C	45 - 60 minutes
Flexural Strength (28 days)*	6 N/mm <sup>2</sup>
Compressive Strength (28 days)*	30 N/mm <sup>2</sup>

\*Tested in accordance with BS EN 998-1

## SUBSTRATE PREPARATION

### Substrates:

Universal Mortar can be applied to concrete, brick and structural blockwork.

### Surface Preparation:

Active water leaks must be stopped using NO MORE DAMP Waterstop (rapid setting plugging compound) prior to application of Universal Mortar.

Areas to be levelled, filled or repaired must be clean and free from all unsound materials.



## SUBSTRATE PREPARATION

For localised repair, saw cut or cut back the extremities of the repair locations to a depth of at least 10 mm to avoid feather-edging and to provide a square edge. Break out the complete repair area to a minimum depth of 10 mm up to the sawn edge.

### Brickwork and Blockwork:

Remove by suitable means all loose pointing, any remaining render or plaster, wood, dust, grease, oil, organic growth or other foreign materials that may cause contamination or adversely affect adhesion properties.

### Concrete:

If there is any exposed steel present, apply two coats of suitable corrosion inhibitor to the exposed steel by brush. Remove all loose material and surface latencies, i.e. dust, oil, grease, corrosion and organic growth, preferably by using wet grit, water blasting techniques or equivalent approved methods. The strength of the concrete subbase must be a minimum of 25 N/mm<sup>2</sup>.

### Priming:

- Using a brush or roller apply NO MORE DAMP SBR Latex, mixed 1:1 with water.
- Allow to become tacky to the touch. This will take approx. 30 minutes to 2 hours.

## MIXING

Required water additions:

Pack Size	Water Addition
25 Kg	3 - 4 Litres

## MIXING CONTINUED

When mixing NO MORE DAMP Universal Mortar use ONLY CLEAN WATER, a clean mixing vessel and a mechanical mixer.

- Pour 3 Litres of clean water into the mixing vessel.
- Using an electric paddle, gradually start to add the powder whilst mixing under low shear to reduce dust generation.
- Add all the powder and increase mixing shear.
- Mix for approx. 1-3 minutes to achieve a uniform, lump free consistency.
- If necessary, gradually add water and mix until desired consistency is achieved. Only add a maximum of 1 Litre.

Note: Exceeding the recommended water addition limit will weaken the product and reduce the waterproofing properties of NO MORE DAMP Universal Mortar.

## APPLICATION

NO MORE DAMP Universal Mortar is applied by gloved hand, trowel or suitable spray equipment.

### Spray Application:

Use traditional wet mortar spraying equipment and processes.

### Vertical Surfaces:

NO MORE DAMP Universal Mortar is to be applied at a minimum of 5 mm up to a maximum of 15 mm layer thickness in one working operation. Apply the product by trowel using a standard rendering technique or spray technique, ensuring to remove any trapped air. If more than one coat is required to obtain the desired build, ensure that previous layers are well keyed and stable but not fully set, prior to application of the subsequent layers. This is achieved between 3 and 12 hours, when mortar feels hard to the touch. Final profiling to a high quality can be achieved using a steel float after allowing the surface to stabilise. Wooden or plastic floats and damp sponges may also be used to achieve the desired surface texture.

### Overhead Applications including soffits:

When using NO MORE DAMP Universal Mortar as a levelling coat, apply at a minimum of 5 mm up to a maximum of 10 mm layer thickness in one working operation. Apply the product by trowel using standard rendering technique or spray technique ensuring to

## APPLICATION CONTINUED

remove any trapped air.  
If more than one coat is required to obtain the desired build, ensure that previous layers are well keyed and stable but not fully set prior to application of subsequent layers.

This is achieved between 3 and 12 hours, when mortar feels hard to the touch.

If sagging occurs during application, No More Damp Universal Mortar should be completely removed and reapplied at a reduced thickness onto a correctly prepared substrate.

### Universal Mortar as Fillet Seal:

Using bricklaying or pointing trowel, apply a minimum 25 mm fillet at wall / floor, wall / wall and if necessary wall / ceiling junctions. Ensure NO MORE DAMP Universal Mortar is pressed firmly into the chase at the wall / floor and joints at the wall / wall. Whilst still green form a "bottle" cove and feather for 50 mm - 100 mm along the adjacent surfaces. Achieve a smooth finish to the fillet. Where excessive stress concentrations can be expected at the wall / floor joints it is recommended a dilution of NO MORE DAMP SBR Latex mixed at 1:2 with water is used as the gauging solution.

### Localised Repair Applications:

Apply NO MORE DAMP Universal Mortar to the prepared substrate by gloved hand or trowel. Care must be taken to ensure that an initial 5 mm - 10 mm thickness of mortar is well placed and adhered prior to building up to larger depths. Thoroughly compact the mortar onto the prepared substrate and around any exposed reinforcement if present. If necessary, support with shuttering to allow for compaction when working to reveals, etc. For repairs which require multi-layer application, it is important to ensure that previous layers are well keyed and stable but not fully set prior to the application of subsequent layers. This is achieved between 3 and 12 hours, when mortar feels hard to the touch. Final profiling of a high quality can be achieved using a steel float after allowing the surface to stabilise.

## APPLICATION CONDITIONS AND LIMITATIONS

The product should not be applied in temperatures under 5°C and rising or if temperatures are expected to fall below 5°C within 24 hours.

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Ensure the substrate temperature is not below 5°C before commencing application.

## CURING AND VENTILATION

Curing procedures should be strictly adhered to. It is important that the surface of the mortar is protected from strong sunlight and drying winds with either a suitable curing compound, polythene sheeting, damp hessian or similar, for a minimum of 24 hours.

## OVERCOATING & FINISHING

NO MORE DAMP Universal Mortar is suitable for overcoating once cured in line with curing and ventilation guidelines. Plastering should take place using Wykamol's cementitious NO MORE DAMP Renovation Plaster within two days of the final coat of mortar being applied. Gypsum plasters must not be used in direct contact with NO MORE DAMP Universal Mortar.

If NO MORE DAMP Universal Mortar has been applied as part of the NO MORE DAMP Replastering System, after a DPC (damp-proofing course), breathable finishes must be used. If redecoration is to occur 12 months after DPC installation, non-breathable finishes may be used.

If permanent and impermeable finishes are being considered, e.g. non-breathable paints or wallpaper, the moisture content of the plaster and background must be in line with the recommendations of the suppliers of the chosen finish.

NO MORE DAMP Universal Mortar is ready to receive specialist waterproofing systems such as NO MORE DAMP or HydraDry Tanking Slurry within 12 - 24 hours. Always refer to relevant datasheet before commencing application.

## PACK SIZE AND COVERAGE

Pack Size	Product Code	Coverage at 10 mm thickness
25 Kg	UNIMORT	Up to 1.4 m <sup>2</sup> dependent on substrate

## STORAGE

Store in cool, dry conditions, off the ground. Protect from all sources of moisture and frost.

## SHELF LIFE

6 months when unopened, undamaged and stored correctly.

## HEALTH AND SAFETY

For further information and advice, please contact the Wykamol Technical Department and consult the safety data sheet which is available upon request or can be downloaded from our website.



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