

PRODUCT DATA SHEET : NO MORE DAMP UNIVERSAL MORTAR

Issue 1 (23.06.17)
DPTDS07

PRODUCT DESCRIPTION

NO MORE DAMP Universal Mortar is a single component, thixotropic, fibre reinforced, polymer and micro silica modified cementitious mortar which cures rapidly 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 to floor, wall to wall and wall to ceiling junctions
- Foundations, slabs, retaining walls etc.
- Drinking water structures
- High build repair mortar

ADVANTAGES

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



PROPERTIES

Technical Data	
Colour	Grey
Mixed Density	2000kg/m ³ at 0.14 Water : Powder Ratio
Minimum Application Thickness	≥ 5 mm
Maximum Application Thickness	≤ 50 mm
Minimum Application Temperature	5°C and rising
Maximum Application Temperature	35°C
Pot Life (Approx.)	45-60 minutes at 20°C
Mechanical Characteristics (20° +/- 2)	
Compressive Strength : 1 day	8 - 10 MPa
Compressive Strength : 7 day	20 - 25 MPa
Compressive Strength : 28 day	30 - 35 MPa
Flexural Strength : 28 day	8 - 10 MPa

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.



SUBSTRATE PREPARATION

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

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 by products and organic growth, preferably by using wet grit or water blasting techniques or equivalent approved methods. The strength of the concrete subbase must be a minimum of 20 N/mm².

Priming:

On all prepared substrates thoroughly dampen the surface with clean water prior to application. If the substrates are of a highly porous nature it is recommended to apply 1 coat application of No More Damp SBR Latex at a 1:1 dilution with water, allow approx. 1 - 2 hours drying time prior to application of Universal Mortar.

MIXING

Trowel Application:

1. Place between 3.00 - 3.75 litres of clean water into suitable mixing bucket.
 2. Using a slow speed electric paddle mixer (400-600 rpm), gradually start to add the powder whilst mixing.
 3. Ensure all the powder is added.
 4. Mix for approx. 3 minutes to achieve a creamy lump free consistency.
- If required, add a small amount of water to obtain the correct consistency depending on application.

APPLICATION

Spray Application:

Use traditional wet mortar spraying equipment and processes.

No More Damp Universal Mortar is applied by gloved hand, trowel or suitable spray equipment.

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. Final profiling to a high quality can easily 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.

Horizontal Surfaces:

Place No More Damp Universal Mortar onto the horizontal surface, compact and strike off to a maximum layer thickness of 50 mm. After initial hardening, final profiling can be achieved to a high quality using a steel float or a brushed finish using a broom to increase skid resistant properties.

APPLICATION

Soffits and Overhead Application:

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

Universal Mortar as Fillet Seal

Application:

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 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 at 1:2 with water 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 on to the prepared substrate and around any exposed reinforcement if present. If necessary, support with shuttering to allow for compaction when working to reveals, etc. The application thickness achievable is dependent upon the substrate. 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. No inter-layer priming is required. Final profiling of a high quality can easily be achieved using a steel float after allowing the surface to stabilise.

APPLICATION CONDITIONS

Do not apply No More Damp Universal Mortar in temperatures below 5°C and rising or above 35°C (ambient and substrate).

CURING

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.

CLEANING EQUIPMENT

All tools should be cleaned with water immediately after use.

PACK SIZE AND COVERAGE

Pack Size: 25 kg bags

Yield: Approx. 14 litres per 25 kg bag

Coverage: 25 kg bag covers 1.40 m² at 10 mm thickness

STORAGE

Store off the ground and in dry, frost free conditions.

SHELF LIFE

12 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.