

TECHNICAL DATA SHEET

CLADDING MORTAR

Description

KPRO Masonry Cladding Mortar is a mortar mix specifically formulated for the application of cladding units to prepared backgrounds, both internally and externally The product is available in 3 colours as standard.





Charcoal



Applications

KPRO Cladding Mortar is suitable for the following applications,

- Installation of lightweight veneer stone
- Installation of natural stone cladding units* (please note product use below)
- Installation of brick slips
- Pointing of cladding units and brick slips

Compatible Substrates

KPRO Cladding Mortar is suitable for the following applications,

- Structurally sound masonry brick work
- Structurally sound masonry block work
- Structurally sound sand & cement render

Note* in all instances the substrate shall be capable of supporting the chosen cladding system.

Product Use

Suitable for use in temperatures between +5°C and +30°C. The background should be clean, dry and free from all dust and grease. Paints, sealers, efflorescence and biological growth must be removed prior to application of the product. Prior to application, dampen the background with a light mist of clean potable water. Avoid saturating the background.

Mixing: Mix the contents of a 25kg bag with 3.5-4.5 litres of clean potable water. Mix using a suitable paddle mixer or mortar mixer at a slow constant speed for 3-5 minutes or until a lump free, workable, and homogenous mortar mix is achieved. Additional mixing may be required if the material is left standing for a period. Do not add additional water.

Installation (Units <50kg/m²): Prior to installation, walls should be inspected to ensure it is structurally sound, free from deposits such as dirt, grease and biological growth, and is capable of supporting the cladding system.

Always begin cladding from the bottom of the wall and brace each stone with a spacer as work continues upwards (for dense cladding units). Use a trowel to apply a generous 10-12mm of mortar to the back of the cladding units. The use of a 10mm or 12mm notched trowel is beneficial to ensure the correct depth of mortar is applied.

Place the cladding unit in position on the wall and press firmly into position in a twisting motion. When pressing the unit ensure the fresh mortar begins to slightly squeeze out from underneath, thus eliminating air pockets and ensuring a good bond. Horizontal and vertical joints should be sealed by applying a layer of mortar on their edges prior to placing of consecutive courses. It is considered good practice to periodically remove a cladding unit to check for complete coverage and full bedding.



Benefits

- Consistently high quality mix
- Eliminates inaccurate site mixing
- Reduction in labour
- Convenient and User-Friendly
- Eliminates wastage
- Promotes cleaner and safer sites

Approximate Yield

No.	m²
per 25kg	@10mm coat
1	1.20

Application Temperatures



+5°C - +30°C

Health & Safety

Please refer to the relevant Material Safety data sheet online at www.kilsaran.ie.

Pack Size

- 25kg premixed bags



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Installation (Units >50kg/m²): When installing larger units it may be required to apply an additional layer of fresh mortar to the substrate with the notched trowel and a ring of mortar to the back of the unit (ensuring to leave a void in the centre) before placing it into position. Firmly press the unit into the fresh mortar on the substrate ensuring a good bond. Larger, dense units such as natural stone will likely need shimming to support their weight and maintain joint thicknesses. It is considered good practice to periodically remove a cladding unit to check for complete coverage and full bedding.

Installation (Brick Slips):

The fresh mortar should be applied to the substrate, using a suitable notched trowel. The material should be applied ensuring a full, solid bed, and trowelled in straight lines rather. Do not use a 'dot and dab' method. When the cladding mortar is still in its fresh state, place the brick slip and press firmly into position in a twisting motion. It is considered good practice to periodically remove a brick slip to check for complete coverage and full bedding.



- Large natural stone cladding units (>50kg/m²) should have mechanical support.
- When installing large natural stone cladding units (>50kg/m²) at heights over 3 metres mechanical support is required.
- When installing units above openings mechanical support should be considered.



KPRO Cladding Mortar is produced in an ISO 9001 quality-controlled environment.

Characteristic	Data value
Compressive Strength	≥ 8 N/mm²
Flexural Strength	≥ 4 N/mm²
Fresh Density	1950 kg/m³
Hardened Density	1800 kg/m³
Water Retention	≥ 75%





