



# HIGH STRENGTH BEDDING MORTAR



FP McCann High Strength Bedding Mortar is a blend of carefully selected sands, cements and additives to give a high strength, low shrinkage, easy to finish precast installation mortar. Produced in a factory-controlled environment providing consistently high levels of quality. High Strength Bedding Mortar is supplied ready for use packaged in a weather resistant bag. It is chloride-free and safe to use with steel reinforcement to pack and fill gaps from 10 to 75mm providing structural support without the need for shuttering.

## MIXING & WATER GUIDANCE

- FP McCann High Strength Bedding Mortar should be mixed using the correct amount of water by using a mechanical mixing method such as a slow speed drill and paddle or forced action mixer.
- Mix to a consistency suitable for the intended application. Typically, a 20kg bag should be mixed with 2.4 -2.8L of water for dry packing applications. Up to 3.3L of water can be used where a more workable mortar is required.
- Mix product for a minimum of 3 minutes until a homogeneous consistency is achieved.
- Ensure mixed mortar is used within 30 minutes of mixing.
- Adding additional water or trying to revive a mix that has begun to go off will greatly reduce performance.

## WHERE & WHEN TO USE

Ideal for structural bedding of a range of precast concrete units including sandwich wall panels, dock leveller pit segments, L-walls, lift shaft and stair cores.

**ALL PACKAGING IS WEATHERPROOF AND RECYCLABLE**



## APPLICATION GUIDANCE

- When using this product, good site practice should always apply. FP McCann cannot be held responsible where workmanship has failed to meet the relevant European and British Standards.
- Cement based products will take longer to harden and set at lower temperatures, and should not be used below 5°C. Do not use in ground where frost is present or expected overnight.
- When site temperatures are below 10°C allow extra time before removing supports, applying further loads etc.
- Exposure to drying winds and/or strong sunlight may result in rapid drying and cracking.
- All surfaces must be clean and free from all contamination. For best results, surfaces should be mechanically roughened.
- All surfaces should be saturated with clean water but free from standing water.
- Removable spacers and shims should be lightly oiled.
- Apply mixed mortar as a uniform bed before lowering the precast unit into place. Alternatively, the mixed mortar may be rammed into existing gaps using a suitable tool.
- In all cases ensure the mortar is fully compacted and that full bedding is achieved.
- Allow mortar to stiffen before finishing flush with a damp trowel.
- Exposed mortar should be adequately cured with the application of an appropriate curing membrane or covering with damp hessian or polythene.

## SALES & TECHNICAL SUPPORT

Should you require additional information on this product, please contact our sales team on:

Telephone 028 79642 558 or Email [sales@fpmccann.co.uk](mailto:sales@fpmccann.co.uk)

Additional information can be obtained from [fpmccann.co.uk/bagged-products/](http://fpmccann.co.uk/bagged-products/)



## TECHNICAL INFORMATION

Max Aggregate Size	3mm	
Chloride Content	<0.1%	
Water Requirement per bag	2.4-2.8L (up to a max of 3.3L)	
Plastic Density	2200kg.m <sup>3</sup>	
Application Thickness	10-75mm	
Yield	Approx 10.5L / 20Kg bag	
Typical Performance		
Compressive Strength	24hr	30MPa
	7day	50MPa
	28day	70MPa
Flexural Strength	28day	10MPa

## STORAGE GUIDANCE

- Please ensure unopened bags are stored in cool dry conditions, preferably on a pallet or shelf to keep elevated from the ground and protected from wind and rain
- If the product is stored correctly (as detailed above), the Chromium (VI) in this product will be within required levels for up to 12 months
- Use of this product after the declared storage period can be hazardous. Prolonged storage beyond 12 months may increase the level of Chromium (VI) and may increase the risk of allergic reaction following direct contact with skin.



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