

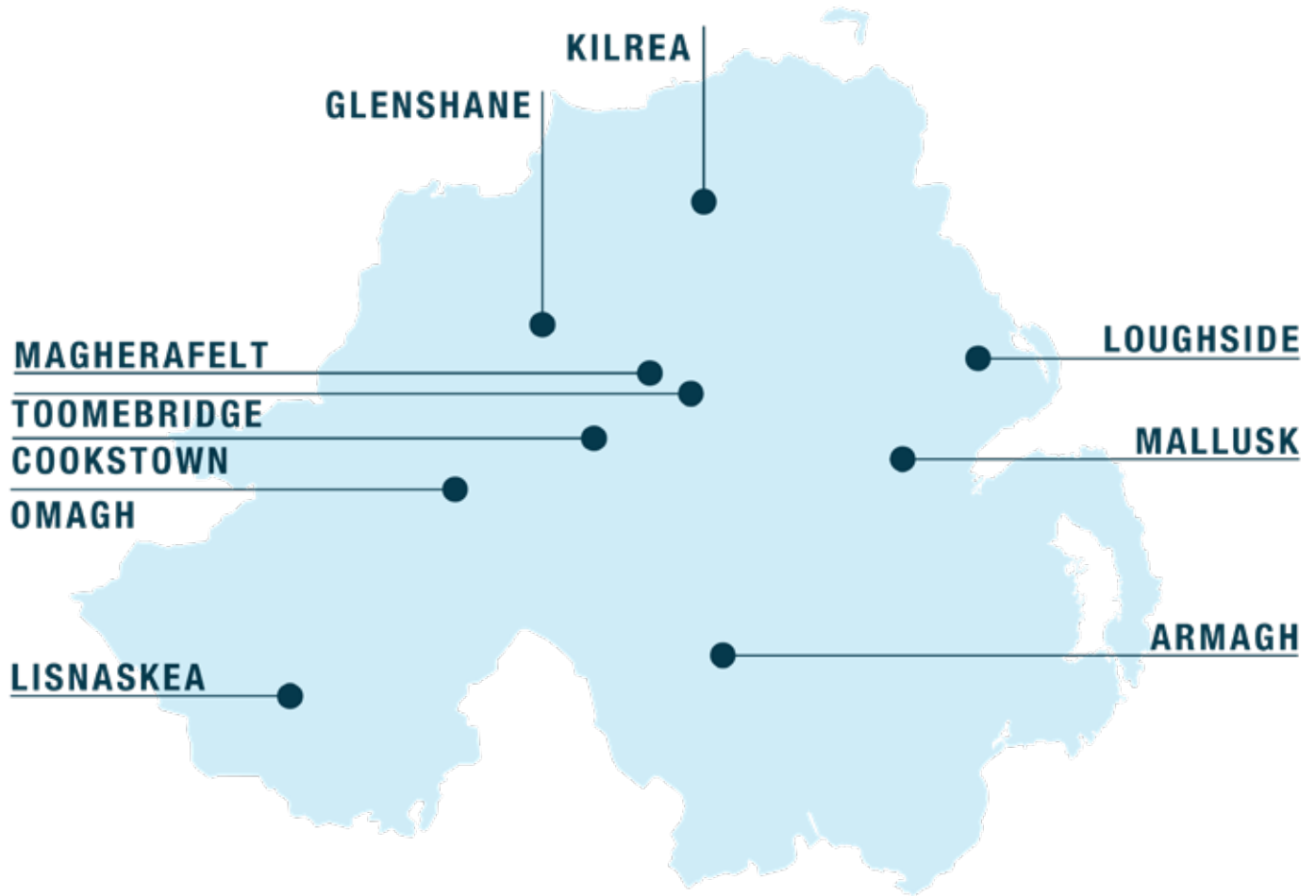


TO VIEW OUR DRY
SILO MORTAR
PAGE SCAN THE
QR CODE

DRY SILO MORTAR TECHNICAL DATA

v1.0





With seven quarries, seven ready mix concrete plants, four precast concrete manufacturing plants and a sandpit situated across Northern Ireland, the geographical spread of FP McCann's facilities gives us the ability to meet the building material and concrete needs of a variety of industrial sectors.

FP McCann provides the following product categories: ready mix concrete, quarry stone and aggregates, building products, precast concrete walling, agricultural and drainage products and surfacing products.

By applying the DfMA principles, FP McCann's design engineers are able to evaluate individual precast concrete products part by part, in addition to documenting the assembly process step by step. This allows them to generate the cost, part count and assembly time to provide a benchmark to measure its success and identify the parts and process improvement opportunities. In turn, this has allowed FP McCann to design and manufacture more cost-effective and efficient high-quality precast concrete products with less wastage and greater on-site recycling.

As a result, increased productivity, combined with a reduction in production time and costs, allows FP McCann to be more competitive within the marketplace.

Please note: all information is correct at time of going to print.

Established in 1945, FP McCann is a family-run company with its headquarters in Knockloughrim, outside Magherafelt. With fourteen precast manufacturing plants, nine in England, four in Northern Ireland and one in Scotland, FP McCann is the UK's largest precast concrete manufacturer.

In Northern Ireland, FP McCann is spread over the following seven divisions: Ready Mix Concrete, Quarrying, Precast Concrete, Dry Silo Mortar, Surfacing, Construction and FP McCann Homes. FP McCann is committed to providing high-quality, cost-effective and sustainable building material and concrete solutions tailored to meet clients' budgets and expectations.

All our operations are carried out under the auspices of our Integrated Management System, which includes a quality management system accredited to ISO 9001, an environmental management system accredited to ISO 14001 and an occupational health and safety management system accredited to ISO 45001. Our products comply with European and British Standards. We hold BSI kitemark accreditation for all products manufactured to BS 5911, BS EN 1916 and BS EN1917. Other accreditations include QSRMC certification, Achilles RISQS and UVDB Verify Category B2 and WRc approvals.

FP McCann's silo mortar provides an efficient mortar solution to a wide range of external and internal works, dependent on structural requirements.

QUALITY

This dry silo mortar is manufactured in a factory controlled environment under an integrated management system and is third party certified to BS EN ISO 9001 and BS EN ISO 14001 using fine aggregates conforming to the requirements of BS EN 13139, cements conforming to BS EN 197-1 and admixtures to BS EN 934-3.



FP McCann is a member of many trade associations including Mineral Products Association Northern Ireland (MPANI), British Precast Concrete Federation, British Precast Drainage Association, British Precast Architectural & Structural Association, Pipe Jacking Association, Achilles RISQS, Achilles UVDB, National House Building Council (NHBC) and the British Precast Flooring Federation.



DRY SILO MORTAR

M4 DATA SHEET

Product Information	
Form	Granular
Colours	Grey
Maximum Aggregate Size	3mm
Safety Information	Irritant – read Health & Safety information prior to use
Cleaning	Clean equipment using water or, if the product has set, using mechanical means, as necessary
Shelf Life	Up to 3 months in site silos

Technical Information		
Proportions	Prescribed Proportions by volume	6:1 - Sand:Cement
	Typical Compressive Strength	4 MPa
	Prescribed Proportions by weight	Portland Cement 13.5% Aggregates 86.5% Air Entraining Agent 0.025%
Working Time	Typically remains usable for up to 4 hours, depending on conditions	

APPROXIMATE SPREAD RATES

Building Mortar	
1 tonne of building mortar when mixed will lay (10mm joint):	
Approx 1300no.	Standard bricks
Approx 650no.	9x4 standard block on edge
Approx 350no.	9x4 standard block on flat

DRY SILO MORTAR

M6 DATA SHEET

Product Information	
Form	Granular
Colours	Grey
Maximum Aggregate Size	3mm
Safety Information	Irritant – read Health & Safety information prior to use
Cleaning	Clean equipment using water or, if the product has set, using mechanical means, as necessary
Shelf Life	Up to 3 months in site silos

Technical Information		
Proportions	Prescribed Proportions by volume	4:1 - Sand:Cement
	Typical Compressive Strength	6 MPa
	Prescribed Proportions by weight	Portland Cement 20% Aggregates 79.9% Air Entraining Agent 0.025%
Working Time	Typically remains usable for up to 4 hours, depending on conditions	

APPROXIMATE SPREAD RATES

Building Mortar	
1 tonne of building mortar when mixed will lay (10mm joint):	
Approx 1300no.	Standard bricks
Approx 650no.	9x4 standard block on edge
Approx 350no.	9x4 standard block on flat

DRY SILO MORTAR

M12 DATA SHEET

Product Information	
Form	Granular
Colours	Grey
Maximum Aggregate Size	3mm
Safety Information	Irritant – read Health & Safety information prior to use
Cleaning	Clean equipment using water or, if the product has set, using mechanical means, as necessary
Shelf Life	Up to 3 months in site silos

Technical Information		
Proportions	Prescribed Proportions by volume	3:1 - Sand:Cement
	Typical Compressive Strength	12 MPa
	Prescribed Proportions by weight	Portland Cement 23.5% Aggregates 76.4% Air Entraining Agent 0.025%
Working Time	Typically remains usable for up to 4 hours, depending on conditions	

APPROXIMATE SPREAD RATES

Building Mortar	
1 tonne of building mortar when mixed will lay (10mm joint):	
Approx 1300no.	Standard bricks
Approx 650no.	9x4 standard block on edge
Approx 350no.	9x4 standard block on flat

BRAND NEW SILO DELIVERED TO NEW HOUSING DEVELOPMENT IN MAGHERAFELT

Site: Hillside Manor, Killyfaddy Road Magherafelt

Client/Contractor: JFM Construction Ltd.

Products Supplied: Dry Silo Mortar; Stone & Precast
Drainage Products.

FP McCann recently delivered one of its brand new silos to a new housing development on Killyfaddy Road, Magherafelt.

Hillside Manor will be a development of 79 three, four and five bedroom detached, semi-detached and bungalow houses, being built by JFM Construction Ltd.

FP McCann's precast depot and quarry in Knockloughrim has also supplied stone and a range of precast drainage products to the site.

Our portable, sealed silos are delivered directly to site and have a built-in automatic mixing system. Once the water and power supply have been connected to the mixing unit, the dry silo mortar can be mixed with water at the push of a button. This results in a consistently high-quality mix that is easy-to-use. Our fleet of tankers can refill the silo when required.

Daniel McCoy, JFM Construction Ltd, said: "We are very happy with the products we have received from FP McCann. The dry mortar has been a great alternative to mixing on site – saving space, time and labour in mixing. Each refill of mortar has been consistent in colour and quality and we would definitely consider using FP McCann in the future."

FP McCann's silos are manufactured by Maine Surface Finishing in Coleraine, following the full process from engineering the design and the fabrication of the silo through to coating ready for the sign writer to add the branded decals before leaving the factory.

Use the QR code to watch the video of this silo being collected from Maine Surface Finishing, delivered to site on the Killyfaddy Road, and being refilled by our tanker.



[WATCH DELIVERY VIDEO](#)





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CLARKE'S QUARRY / PRECAST FACTORY

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GLENSHANE QUARRY

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