

THE MORTAR & SCREED COMPANY

LTD

THE OAKLANDS, ADMASTON, TELFORD, SHROPSHIRE, TF5 0AN
TEL: 01543 629009

Product Data Sheet 02 RTU Mortar - ES (Early Strength)

Introduction

Early Strength Mortar is specifically designed for use where weather conditions are proving particularly challenging such as colder and wetter times of the year. The product is supplied for 24-hour use. Early Strength Mortar is not available in the 72-hour mix. All Mortar & Screed Company Ltd ready to use (RTU) mortars are factory produced at our state of the art fully automated batching plants.

Mortars can be supplied to meet all types of masonry construction, above and below ground. Our mortar is supplied ready to use at the required consistency without the need for further mixing and placed directly into portable tubs. Or, if you prefer, you can pre-order your mortar for your own collection. All our mortar provides excellent durability and consistency.

Technical Information

All our mortars are manufactured in accordance with BS EN 998-2 under a quality system, externally audited and certified to ISO 9001.

We offer a comprehensive Technical and Sales support service for specifiers and customers. Appointments can be booked for site visits, and we always welcome invitation to site pre-start meetings.

Strength and Durability

When specified correctly and used in accordance with current Codes of Practice the mortar supplied will last the design life of the build. Our Ready to use TU mortars provide excellent durability due to the carefully selection of materials and their accurate proportioning and mixing.

Mortar classes and strengths

Historically mortars were batched to prescribed generalised volumetric proportions and their performance would vary accordingly. All of our mortars are designed to meet BS EN 998-2 requirements and are factory batched by weight, ensuring consistent cohesion, workability and strength batch after batch after batch.

Orders placed for class i, ii or iii mortar will be supplied designed mortar according to the table.

BS EN 998-2 Designed Mortar Strength Classes and Equivalent Traditional Class Designations		
BS EN 998-2 Designated Mortar Class	Minimum Compressive Strength (N/mm ²)	Equivalent Traditional Mortar Class
M12	12	i
M6	6	ii
M4	4	iii



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Freeze Thaw Resistance

Frost resistance of masonry depends upon the correct specification of suitable materials, the prevention of rain penetration by the design of the build, having followed current Codes of Practice. Controlled cement contents and correct air contents will help reduce the effect of freeze thaw damage.

Delivery and Storage

Ready to use mortar should be stored in purpose-built tubs and protected from the weather. The delivery driver will place a plastic sheet on the top of each tub to protect the mortars surface from drying out and crusting over.

Protection from excessive rain, frost and extreme heat is necessary. In hot conditions and when the mortar is not being used instantly (over a weekend etc.) 5 litres of water can be poured on the top of the mortar beneath the plastic sheet to help protect the mortar.

This can then be reworked into the mortar to give the desired consistency. Excessive water addition can potentially cause strength loss and can cause discolouration. In winter mortar should be protected by means of an insulating cover or storing the mortar under cover.

Coloured Mortars

The Mortar & Screed Company Ltd mortars can be supplied with the addition of colour pigments.

This enables builders or designers to match existing backgrounds, unleash their creativity and construct a completely bespoke build.

All pigmented mortars are carefully manufactured to ensure colour consistency.

Please note that despite all precautions taken, variance may still occur in the natural raw materials used. With a range of over 50 standard colours and the ability to modify the range to suit any project, it's easy to find a colour which is perfect for your project.

Sample panels are always recommended to be built to establish the correct colour is used.

Samples can be requested free of charge to build sample panels for architects and planners' approval.

Calculator

The Mortar & Screed Company Ltd supplies mortar by m³.

One m³ will typically lay:

Masonry Type	Number of units
Solid Brick	1350 – 1500
Frogged/ Perforated	1250 – 1350
Block (100mm)	700 – 800



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Prices

Prices will vary according to mix designs, quantity and delivery locations. For a quotation, please call our sales office on 01543 629009.

Health & Safety Information

Contact with wet cement can cause serious burns and can lead to contact dermatitis. All who may come into contact with wet cementitious mortar must read and understand our safety data sheet use the correct personal protection equipment.

Please refer to our Ready to use safety data sheet.

Power & Acid Washing

The mortar must have cured for a minimum of 28 days prior to any power washing taking place, this will allow the mortar to gain its desired strength. Any acid washing must be tested on a small out of sight panel to ensure suitability. The correct acid dilution and power output from the pressure washer must be observed.

Please refer to their product data sheets and method statements. Highly concentrated acid solution and power washing may cause premature erosion of mortar joints.

The Mortar & Screed Company Ltd will not accept liability for the durability of the mortar that has been subjected to cleaning products that are designed to dissolve cementitious products.

Constituents & Manufacture

All constituent materials used in the production of all The Mortar & Screed Company Ltd's products are carefully selected, accurately proportioned to ensure a consistent finished product.

Admixtures are used for standard Mortar (not ES) to ensure the mortar has good cohesion and remains workable for a predetermined time, usually 36 hours or 72 hours to meet site requirements.

Placing an Order

When ordering, please be aware of the required mortar class (see mortar classes and strength above), quantity in cubic metres and your preferred time of delivery. The Mortar & Screed Company Ltd's mortar tubs are 0.25m³ but sites can often use other sizes. If other sizes are being used, please inform the order office at the time of ordering.

Further Requirements

If you require any further information or technical support with any of our range of products, please do not hesitate to contact us on 01543 629009 or email info@mortarandscreed.co.uk.

