



# READY TO USE MORTARS



## SUPPLIERS OF QUALITY MORTARS, SCREEDS AND READY-MIXED CONCRETE

Holcim Mortars provide ready to use mortars, delivered direct to site or collected from your local depot, in small or large quantities and at competitive prices to meet your requirements.

With a range of vehicle types and delivery methods at our disposal, we are confident that we can deliver your mortar where you need it – when you need it.

### MATERIALS AND MANUFACTURE

All Holcim Mortars ready to use mortars are pan mixed using our computer controlled state of the art manufacturing facilities. We blend carefully selected materials to ensure a consistent product to fulfil your requirements.

All our constituents are responsibly sourced within our BES 6001 accreditation

### TECHNICAL AND AUTHORITY

Holcim Mortars mortars are manufactured to the requirements of BS EN 998 Part 2 under a quality system certified to ISO 9001 and are regularly tested to the requirements of the latest British and European Standards.

### STRENGTH AND DURABILITY

When specified correctly and used in accordance with the current codes of practice our mortars will last the design life structure. Quality control and testing ensure that the mortar specified will exceed the minimum strength requirements and provide greater consistency than site mixed mortar.

Air entraining admixtures are utilised in our mortar to provide the desired plasticity. They also reduce bleeding and provide increased frost resistance in it's hardened state and improve long term freeze thaw resistance.

All our ready to use mortars include retarder agents to guarantee the workable life which should be specified at the point of order.

## HOLCIM MORTARS - PRESCRIBED MORTARS TECHNICAL SPECIFICATIONS

BS EN 998-2 Mortar Class	M4	M6	M12
(Old BS4721 mortar mix)	Class iii	Class ii	Class i
Compressive Strength (N/mm <sup>2</sup> )	4	6	12
Density (Kg/m <sup>3</sup> )	1450-1650	1500-1700	1550-1750
Workable life (hrs)*	36/72	36/72	36/72
Air Content (%)	18 - 23	18 - 23	18 - 23
Chloride content (%)	<0.1	<0.1	<0.1
Water Vapour Permeability	μ15/30	μ15/30	μ15/30
Thermal Conductivity*	(λ10,dry) 0.83W/mK	(λ10,dry) 0.83W/mK	(λ10,dry) 0.83W/mK

\*Specify at point of order

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[www.holcim.co.uk/products/mortar](http://www.holcim.co.uk/products/mortar)





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### SELECTION OF MORTAR

Reference should be made to the latest codes of practice before selecting a mortar type for a specific application.

### SITE PRACTICE

**Please consult the current codes of practice for full recommendations.**

### USE AND SETTING

The normal setting time depends on sufficient suction from the brick or block. If the unit is saturated or frozen the bond between the unit and the mortar will be impaired and adequate hydration of the cement will not take place.

During dry periods or when using high suction units some dampening of the units may be required to prevent excessive moisture loss from the mortar which may cause incomplete hydration of the cementitious component of the mortar. Please consult the unit of manufacture for full recommendations.

Ready to use mortar should never be used frozen or when freezing conditions are expected.

All mortars containing cement may contribute to the corrosion of zinc or aluminium in exposed or continually wet conditions.

All newly erected masonry should be protected until the mortar has gained sufficient strength to resist prevailing weather conditions and to be self-supporting to prevent collapse.

After the initial set begins, ready to use mortar should not be re-tempered with water.

Any workability reduction through evaporation whilst in transit or stored on site may be corrected by the addition of small amounts of water.

### IN SITU PERFORMANCE

The in situ performance of all mortars is heavily influenced by the quality of workmanship on site. All work should be conducted in accordance with the latest British and European standards and Codes of Practice.

### ACID TREATMENT AND WASHING

The use of acids and other cleaning materials can dissolve the cementitious components of mortar, reducing the long term performance and durability. We recommend that masonry is washed with no more than domestic water pressure. Holcim Mortars will not accept any liability for the poor performance of mortar that has been washed with aggressive cleaning materials or that has been power washed.

### FROST AND RAIN

The frost and rain resistance of masonry depends on the specification of correct materials, good workmanship and good site practice.

### COLOURED MORTAR

We are able to offer our full range of mortars in a wide range of colours and provide a colour matching service.

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