

Heidelberg Materials Sand Cement Mortar – M6

Technical data sheet

Heidelberg Materials Sand Cement Mortar is prepared by blending Heidelberg Materials Cement CEM I 52.5N (to BS EN 197), with evoBuild Low Carbon GGBS (to BS EN 15167) and building sand (conforming to BS EN 13139) along with an air entrainment additive (to BS EN 934-2).

Heidelberg Materials Sand Cement Mortar meets the requirements of a category M6 mortar and is UKCA Marked with independent third-party accreditation to BS EN 998-2.

Heidelberg Materials Sand Cement Mortar is not manufactured to colour and cannot be guaranteed due to use of natural raw materials, but as a guide the hardened mortar will be brown/red in colour.

Uses

Brick & block laying, pointing and general sand and cement repairs.



Coverage

Bag size	Yield m ³	Coverge m ² at depths			
		10mm	25mm	50mm	75mm
MaxiPack 20	0.011	1.1	0.4	0.22	0.14

A MaxiPack 20 will produce sufficient mortar to lay approximately 19 standard bricks

Compressive strength

Typically 6-11 N/mm² @ 28 days.

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Instructions for use

For best results, mix thoroughly using a mechanical mixer, empty the bag of Heidelberg Materials Sand Cement Mortar into the mixer and blend until uniform. Slowly add clean water* mixing continuously to make the mix workable.

Alternatively, empty the bag of Heidelberg Materials Sand Cement Mortar onto a clean, flat moisture resistant surface, such as a mortar tray. Slowly add clean water* mixing continuously to make the mix workable.

Heidelberg Materials M6 Sand Cement Mortar is not compatible with bricklaying additives; it is formulated using an air entraining additive. Addition of other admixtures will affect the strength and performance of this product.

Approximate water* addition

Bag size	Water* (litres)
MaxiPack 20	Approx. 2.8

Too much water will weaken the mix.

Use within 30 minutes of adding water.

*Water should conform to BS EN 1008 mixing water for concrete unless mains water is used.

Limitations

For best results, use the mortar within 30 minutes of mixing with water. Protect newly placed mortar from the weather until fully hardened by using the appropriate curing method e.g. damp hessian.

Mortar strengths are improved by keeping the mortar damp during hardening.

Application temperature: +5°C to +35°C.

Packaging

Heidelberg Materials Sand Cement Mortar comes in an easy to handle, water resistant bag.

Storage conditions and soluble chromium (VI)

This product must be stored in unopened bags clear of the ground in cool dry conditions and protected from excessive draught.

If stored correctly, as detailed above, the chromium (VI) in this product will be within required levels for up to 12 months from the date shown on the bag.

Use of this product after the declared storage period, as detailed above, may increase the risk of an allergic reaction following direct contact with skin.

Hexavalent chromium (VI)

The soluble chromium (VI) content is limited to a maximum of 2ppm. The chromium (VI) content is determined in accordance with EN 196-10. The maximum shelf life of the product is 12 months from date of manufacture which is stated on the bag.

Health and safety

Cement causes skin, eye and respiratory irritation, severe burns and dermatitis. Always wear suitable personal protective equipment (PPE) and refer to the full Material Safety Data Sheet for further information.

Technical support and further information

Please refer to the Material Safety Data Sheet for full health and safety information

For further advice please contact Heidelberg Materials cement technical support on **0330 123 4525** or **cement@uk.heidelbergmaterials.com**

Further copies of this technical data sheet may be obtained from www.heidelbergmaterials.co.uk