

Mortar Mixes

1. Identification

1.1 Introduction

Carlton Masonry Mortars are factory produced mortars consisting of dried sands, cement and other additives.

1.2 Authority

Carlton Masonry Mortars are manufactured under a registered ISO 9001 Quality System.

Materials used comply with the following standards:

Sand	BS EN 13139
Cement	BS EN 197-1
Admixtures	BS EN 934-3

Admixtures do not contain calcium chlorides. Water added on site should be clean and free from impurities. Carlton Masonry Mortars should be used in accordance with BS EN 1996.

2. Description

2.1 Manufacture

All raw materials and end products are subject to regular quality control procedures and testing.

Dried sand and other materials are weighed and mixed under computer control with rigorous quality control procedures.

2.2 Mortar Strength Classes

Carlton Masonry Mortars comply with BS EN 998-2 as set out in the table below.

Class	M4	M6	M12
28 Day Prism Strength N/mm ²	4	6	12

3. Performance

Carlton Masonry Mortar mix designs have been formulated to achieve excellent workability, water retention and consistent rate of hardening.

The hardened mortar should have adequate bond, compressive strength, durability and uniformity of appearance.

4. Mixing Instructions

Carlton Masonry Mortars are available in 20Kg bags. Empty contents of bag into a traditional concrete mixer. Start mixer then add approximately 3 to 4 litres of clean water per 20Kg bag.

Mix continuously for 3 to 4 minutes until the required workability and consistency is achieved.

Over mixing will be detrimental to strength and durability of the mortar.

Do not add any additional materials. All components required are within the mix.

Do not re-temper or add further water after initial set.

Additional information

The mortar is ready for pointing once laid when stiffened to the point that a thumb-print is barely visible.

Mortar should be pointed at a consistent stiffness. Failure to do so may result in colour variation.

Normal site curing practices should be followed including protecting the brickwork after construction.

5. Prices and Conditions of Sale

Our Sales Office will be pleased to provide quotations for specific projects. All quotations are subject to our Conditions of Sale, a copy of which is available on request.

6. Health & Safety

For health and safety information – see Material Safety Datasheet.

7. Technical Services

7.1 Mortar Testing

Where site testing of mortar is required, strict adherence to recommended testing procedures is essential. Contact Carlton for further advice or assistance.