

MasterCast[®] 910

Air-entraining liquid mortar plasticiser

DESCRIPTION

MasterCast 910 is a liquid ultra stable 'micro' air entraining mortar plasticiser, designed to enhance the workability of brick and block laying and plastering mortars. **MasterCast 910** is designed to cope with variations in cement and aggregate sources and quality.

MasterCast 910 may be used to replace the use of lime.

PRIMARY USES

MasterCast 910 is an admixture for mortars that improves the workability of bricklaying and plastering mortars.

ADVANTAGES

- Ultra stable bubble structure.
- Uniform air entrainment.
- Compatible with most types of Portland cement and difficult sands.
- Reduced segregation and bleed.
- Greatly improved plasticity.
- Reduced permeability.
- Non corrosive to embedded metals.
- Easier and faster mortar spread.
- Reduces incidence of efflorescence in mortar.
- Replacement of lime.

PACKAGING

MasterCast 910 is supplied in 210 L containers or in bulk.

STANDARDS

BS 4887

APPLICATION GUIDELINES

MasterCast 910 should be added directly into the mix at the same time as the water.

Note: The superior plasticising qualities of MasterCast 910 will result in a significant reduction in water demand of any given mix.

The action of **MasterCast 910** is entirely physical. Used in accordance with instructions, it does not significantly affect the setting time or other properties of the mortar.

DOSAGE RATE

MasterCast 910 is added at the rate of 100 to 250ml per 100kg of cement for normal applications. For retarded ready-to-use mortar, **MasterCast 910** is typically added at the rate of 100 to 450ml per 100kg of cement.

MIXING

MasterCast 910 can be used with other admixtures provided these are added separately to the mix. It can be used for all types of Portland cement, including Sulphate Resisting.

ACTION

MasterCast 910 plasticizes the mix with a lubricating effect whilst reducing the amount of water required to achieve the required workability, thus reducing the possibility of drying shrinkage, which can result in cracking and crazing.

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EFFECTS OF OVER DOSAGE

Whilst it is undesirable to exceed this stated dosage, the self-controlling action of **MasterCast 910** limits the amount of air capable of being entrained, thus safeguarding against over dosage.

SPECIFICATION CLAUSE

All mortar and renders where indicated shall contain **MasterCast 910** mortar plasticiser or similar approved. The plasticiser shall be based on synthetic or sustainable raw materials in an aqueous solution that provides stable and uniformly distributed air bubbles. The admixture shall comply with the requirements of BS 4887.

STORAGE

Store under cover, out of direct sunlight and protect from extremes of temperature.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult Master Builders Solutions Technical Services Department.

HEALTH AND SAFETY

MasterCast 910 contains no hazardous substances requiring labelling. For further information see material safety data sheet.

QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001 and ISO 14001.

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NOTE

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