

MasterCast[®] 1162

Block- admixture for improving concrete

DESCRIPTION

MasterCast 1162 is a plasticiser liquid admixture with air entraining properties. Designed for use in no-slump concrete, it is ideally suited for factory-line concrete production such as block making. **MasterCast 1162** assists in the manufacture of a more uniform and predictable concrete. Chloride free **MasterCast 1162** may also be used in dry pack, standard and light weight concrete production.

FIT 4 VALUE:

MasterCast 1162 is a key component to Master Builders Solutions's FIT 4 VALUE concept.

FIT 4 VALUE considers the four elements essential for MCP Manufactures:

1. FIT for Economics
2. FIT for Performance
3. FIT for Aesthetics
4. FIT for Durability

Here, FIT means meeting every requirement for economics, performance, aesthetics and durability.

RECOMMENDED USES

- Masonry block units
- Pavers
- Plain cement tiles
- Cement Terrazzo tiles
- Concrete poles & pipes
- Cement roof tiles

FEATURES AND BENEFITS

- Less wear of moulds.
- Improved structure.
- Improved cohesion.
- Reduced water absorption.
- Increased strength.
- Applicable for all Portland and Slag cements.
- Reduced efflorescence.

PERFORMANCE TEST DATA

Aspect	: Dark brown free flowing liquid
pH	: ≥ 6
Relative Density	: 1.17 ± 0.02 at 25°C

Solids, by weight	: 35 %
Chloride ion content:	: < 0.2 %

DOSAGE

As a starting base for factory trials a rate between 325ml/100kg and 650ml/100kg is recommended. Local production conditions and material types may necessitate dosages outside this range. Please consult your Master Builders Solutions Construction Chemicals representative for further advice

APPLICATION

- Mix the aggregates, the cement and 75% of the mixing water.
- Add the **MasterCast 1162** together with the rest of the mixing water.
- After all ingredients are added continue mixing for 60 to 90 seconds.

SUGGESTED SPECIFICATION

The admixture for dry-mix concrete products shall be **MasterCast 1162**, plasticising liquid with air entraining properties. The product shall have relative density not less than 1.15

PACKAGING

MasterCast 1162 is available in bulk or in 220 kg drums.

STORAGE /SHELF LIFE

MasterCast 1162 must be stored where temperatures do not drop below +5°C. If product has frozen, thaw at +5°C or above and completely reconstitute using mild mechanical agitation. Do not use pressurized air for agitation. Store under cover, out of direct sunlight and protect from extremes of temperature.

Shelf life is 12 months when stored as above.

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

PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also

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be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not reuse containers for storage of consumable

item. For further information refer to the material safety data sheet.

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STATEMENT OF RESPONSIBILITY (Disclaimer)

The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

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