

MasterCell[®] 25

Admixture for Controlled Low Strength Material (CLSM)

DESCRIPTION

MasterCell 25 admixture is a ready-to use, self-contained product for use in various flowable fill applications where reduced densities (unit weights) and air contents of up to 35% are desired.

RECOMMENDED FOR

MasterCell 25 admixture produced CLSM can be used in any application in lieu of compacted sand or soil. **MasterCell 25** admixture is used in flowable fill mixes to lower the density (unit weight), eliminate settlement, and to control strength development.

MasterCell 25 admixture can be used in the following applications:

Backfill (flowable fill) – sewer trenches, utility trenches, bridge abutments, retaining walls, conduit trenches, etc.

Structural Fill – foundation sub-bases, floor slab bases, pipe bedding.

ADVANTAGES

MasterCell 25 admixture produces stable air contents of 15 to 35%. Flowable fill produced with **MasterCell 25** admixture offers the user the following benefits:

- Reduced water content by as much as 50%
- Increased yield
- Optimum workability – can be produced in either fluid or plastic consistency
- Increased pumpability
- Little or no bleeding
- No segregation
- Reduced shrinkage
- Reduced settlement
- Control of strength development
- Cost effective compared to in-place cost of compacted soil

Note: Setting times may be extended when high air content producing materials are used. If an earlier load bearing (set) time is desired, an accelerating admixture may be used in the flowable fill mix.

USAGE INFORMATION

MasterCell 25 admixture is a powdered material packaged in a ready-to-use disintegrative bag. **MasterCell 25** admixture is formulated for use in producing flowable fill mixes. It is not recommended for use in conventional concrete.

MasterCell 25 admixture performs best when added to mixes with an initial slump of 25-75mm. If necessary, the water content of the mix should be adjusted to obtain a maximum 75mm initial slump. The **MasterCell 25** admixture bag is simply tossed into the truck hopper and mixed with the previously batched materials for a minimum of 5 minutes at slow mixing speed. It is not necessary to wash down the hopper after adding **MasterCell 25** admixture.

MasterCell 25 may be added at the jobsite or at the ready-mix plant.

PACKAGING

MasterCell 25 admixture is available in two sizes. The small bag will treat 0.8m³ and the large bag will treat 3m³.

MasterCell 25 admixture is supplied by the case:

- 0.8m³ bag – 40 bags per case
- 3m³ bag – 20 bags per case

MasterCell[®] 25

TEMPERATURE PRECAUTION

MasterCell 25 admixture should be stored in a dry area at temperatures below 54°C.

STORAGE AND SHELF LIFE

MasterCell 25 admixture has a minimum shelf life of 12 months. Depending on storage conditions, the shelf life may be greater than stated. Please contact your local sales representative regarding suitability for use and dosage recommendations if the shelf life of **MasterCell 25** admixture has been exceeded.

HEALTH AND SAFETY

Gloves and goggles are recommended when handling **MasterCell 25** admixture.

For additional information or **MasterCell 25** admixture contact your local Master Builders Solutions Representative.

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.

* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the MBCC Group in many countries.

MBS_CC-UAE/Cell_25_05_00/v2/06_15

STATEMENT OF RESPONSIBILITY

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.

Master Builders Solutions
Construction Chemicals LLC
P.O. Box 37127, Dubai, UAE
Tel: +971 4 8090800
www.master-builders-solutions.com/en-ae

Disclaimer: the TUV mark relates to certified management system and not to the product mentioned on this datasheet



A brand of
MBCC GROUP