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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.

ADVANTAGE AND BENEFITS

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 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 / ESTIMATING

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



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TEMPERATURE PRECAUTION

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

CAUTION

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

For additional information or **MasterCell 25** admixture contact your local BASF Representative.

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.

QUALITY AND CARE

All products originating from BASF's 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, ISO 14001 and ISO 45001.

* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the BASF-Group in many countries.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this BASF 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 BASF either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not BASF, are responsible for carrying out procedures appropriate to a specific application.

BASF Construction Chemicals UAE LLC
P.O. Box 37127, Dubai, UAE
Tel: +971 4 8090800, Fax: +971 4 8851002
www.master-builders-solutions.basf.ae

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