**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
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

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