

# MasterCell 25

Controlled Low-Strength Materials (CLSM) Admixture

## Material Description

**MasterCell 25** is a ready-to-use concentrated self-contained product for use in various Regular-Controlled Low-Strength Materials (Reg-CLSM) applications where air contents up to 30% are desired.

## Areas of Application

**MasterCell 25** produced CLSM can be used in any application in lieu of compacted soil. **MasterCell 25** is used in Regular-CLSM mixes to lower the density, 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.

## Characteristics and Benefits

**MasterCell 25** admixture produces stable air contents of 15 to 30%. Reg-CLSM produced with **MasterCell 25** admixture offers the user the following:

- Little or no bleeding
- No segregation
- Reduced shrinkage
- Reduced settlement
- Reduces water content by as much as 50%
- Increased yield
- Optimum workability-can be produced in either fluid or plastic consistency
- Increased pumpability
- Control of strength development
- Cost effective compared to in-place cost of compacted soil
- Note: When using high air producing materials, setting times may be extended. When an earlier load bearing (set) time is needed, accelerating admixtures may be used in the CLSM mixture.

## Application

**MasterCell 25** admixture is a dry powdered material packaged in a ready-to-use disintegrative bag formulated for use in producing Reg-CLSM. It should not be used in conventional concrete.

**MasterCell 25** admixture is available in two sizes. The small bag treats 0.75 cubic metres and the large bag treats 3 cubic metres, respectively. The bag is tossed into the truck hopper and mixed with the previously batched CLSM materials for a minimum of 5 minutes. It is not necessary to wash down the hopper after adding **MasterCell 25** admixture.

**MasterCell 25** admixture performs best when added to mixes with a slump of 25 to 75 mm. If a high water content is currently being used, the mix design should be adjusted to obtain a maximum 75 mm slump.

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

## Packaging

**MasterCell 25** admixture is supplied in two bag sizes:

- Small: to treat 0.75 cubic metre
- Large: to treat 3 cubic metre

For additional information on **MasterCell 25** contact your local Master Builders Solutions Technical Sales Representative.

## Storage & Shelf Life

Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.

**MasterCell 25** has a minimum shelf life of 12 months.

## Precautions

For the full health and safety hazard information and how to safely handle and use this product, make sure that you obtain a copy of the Safety Data Sheet (SDS) from our office or website.



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## Disclaimer

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### STATEMENT OF RESPONSIBILITY

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