

MasterCast 1102

Plasticising admixture for no-slump concrete

Material Description

MasterCast 1102 is a ready to use admixture formulated for use in no-slump concrete fabrication processes. **MasterCast 1102** admixture imparts a slick characteristic to the dry mix for concrete processes such as plank or tile extrusion and enables a faster production rate as a result. Concrete products containing **MasterCast 1102** admixture show fewer surface irregularities and have a rich, dense surface appearance. **MasterCast 1102** admixture is especially suited for dry cast concrete pipe production. This admixture is accurately delivered through dispensing systems provided and maintained by Master Builders Solutions.

Areas of Application

- Dry cast concrete pipe
- Extruded concrete planking
- Extruded concrete roof tile
- Other miscellaneous no-slump concrete products

Characteristics and Benefits

Production Benefits

- Improves both early and later age compressive strength
- Enables a faster rate of concrete product fabrication
- Improves cohesion and dimensional stability
- Can reduce amount of patching or hand trowelling
- Resistance to compaction or extrusion is decreased
- Lubricates the mix to reduce abrasion of product forming parts

Improved Appearance

- Dispersing action of **MasterCast 1102** admixture provides improved colour consistency
- Improved moldability reduces surface tears or other imperfection
- Produces denser, closed surfaces

Economic Benefits

- Improved cement dispersion can reduce the amount required for a given strength
- Increased production level reduces overall per-unit cost
- Reduced defects lead to increased profitability

Quantity to Use

MasterCast 1102 admixture is recommended for use at a rate of 200 to 550 ml per 100kg of cementitious material.

Dispensing

To obtain maximum efficiency, add **MasterCast 1102** admixture after wetting of aggregates and cement with 75% of mixing water. Under no circumstances should this admixture be dispensed on top of dry cement. Allow at least 1 ½ minutes mixing after addition of **MasterCast 1102**.

Packaging

MasterCast 1102 is available in 1000 litre palecons.

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.

MasterCast 1102 has a 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

MasterCast-1102-ANZ-V9-0523

STATEMENT OF RESPONSIBILITY

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