

MasterLife[®] 736

“Internal Curing” liquid admixture

DESCRIPTION

MasterLife 736 is a liquid admixture for internal curing of concrete, shotcrete and mortars.

MasterLife 736 when added to the mix produces an internal membrane, which protects fresh concrete, shotcrete and mortar by reducing water evaporation, to allow the concrete to cure. It also improves pumpability and stability of the fresh concrete, shotcrete or mortar.

RECOMMENDED USES

Applications for concrete, shotcrete or mortar where reduced water evaporation is required to allow concrete to cure in a similar manner to concrete treated with a surface applied, membrane forming curing compound.

FEATURES AND BENEFITS

MasterLife 736 considerably improves the properties of fresh and hardened concrete:

- Protects against water evaporation of the fresh concrete, shotcrete or mortar
- Improves impermeability
- Improves abrasion resistance
- Improves bonding to substrate
- Has no negative influence on bonding if a second layer of concrete, shotcrete or mortar is applied (improves bonding between layers)
- Improves the hydration of all cement types
- Improves flexural strength
- Improves workability and pumpability, especially with low cement content and lack of fines in the mix, thus making workability more independent of the grading of the aggregates
- Reduces plastic shrinkage and long term drying shrinkage

PERFORMANCE DATA

When laboratory tested to the method specified in AS3799-1998, **MasterLife 736** provided a curing efficiency >90%.

COMPATABILITY

MasterLife 736 is compatible with most BASF admixtures providing they are dispensed separately into the concrete mix. However, it is advisable to contact your local BASF technical representative for specific information.

APPLICATION

MasterLife 736 is a ready to use liquid, which is dispensed into the concrete together with the mixing water. **MasterLife 736** must be stirred well before use. The addition of **MasterLife 736** to dry aggregates or cement is not recommended. The best effect is achieved if **MasterLife 736** is added to the damp concrete after 80-100% of the mixing water has been added.

MasterLife 736 can be added through normal dispensers for admixtures.

Note: Under conditions of rapid drying, it is recommended that an evaporation retardant such as **MasterKure 111** be sprayed on the concrete surface (Please refer to **MasterKure 111** data sheet). Freshly cast concrete shall be protected from the effects of rain and running water prior to hardening (in accordance with AS3600).

ESTIMATING DATA

MasterLife 736 recommended dose rate is 5 litres/m³.

CLEANING

Clean equipment and tools with water.

PACKAGING

MasterLife 736 is supplied in 205 litre drums and bulk.

STORAGE / SHELF LIFE

Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Store protected against freezing. Protect from direct sunlight. Protect from temperatures below: 5 °C. Protect from temperatures above: 35 °C.

MasterLife 736 has a shelf life of 6 months.



We create chemistry

MasterLife[®] 736

PRECAUTIONS

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

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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.

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