

RHEOCURE[®] 736

“Internal Curing” liquid admixture

DESCRIPTION

RHEOCURE 736 is a liquid admixture for internal curing of concrete, shotcrete and mortars. **RHEOCURE 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 FOR

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

RHEOCURE 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, **RHEOCURE 736** provided a curing efficiency >90%.

COMPATABILITY

RHEOCURE 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

Mixing

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

RHEOCURE 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 111CF** be sprayed on the concrete surface (Please refer to **MASTERKURE 111CF** 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

RHEOCURE 736 recommended dose rate is 5 litres/m³.

CLEANING

Clean equipment and tools with water.

PACKAGING

RHEOCURE 736 is supplied in 205 litre drums and bulk.

SHELF LIFE

RHEOCURE 736, in tightly closed original containers, has a shelf life of at least 12 months. Before use, **RHEOCURE 736** must be stirred with a low shear mixer until homogeneous. The temperature of the storage place must not drop below 5°C, nor exceed 40°C. If **RHEOCURE 736** has frozen, contact your local BASF technical representative before using.

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 **Material Safety Data Sheet (MSDS)** from our office or our website.



The Chemical Company

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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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