



The Chemical Company

MICRO-AIR[®] VR

Air entraining admixture for concrete for improving concrete and mortar

DESCRIPTION

MICRO-AIR VR is a ready-to-use, Vinsol Resin based air entraining agent for use in all types of concrete and mortar where air entrainment is desired. It contains no chloride.

FIELDS OF APPLICATION

- All types of concrete including light weight and prestressed concrete where optimum air entrainment is desired.
- Imparting improved workability to lean, harsh mixes and to reduce bleeding caused by grading deficiencies in the concrete materials.
- Use in concrete containing POZZOLITH or other admixtures (water reducers, accelerators, retarders, densifiers and water repellents).

FEATURES AND BENEFITS

- Improved plasticity and workability
- Reduce segregation and bleeding
- Reduce permeability
- Increases durability
- Increased resistance to freezing and thawing
- Ready-to-use
- Chloride free

APPLICATION

Do not mix or dilute **MICRO-AIR VR** with any other admixture.

Add **MICRO-AIR VR** to the concrete mix using a dispenser designed for air entraining admixtures or manually using a suitable measuring device that ensures an accuracy within plus or minus 5% of the required amount.

Measure the air content of the trial mix and increase or decrease the quantity of **MICRO-AIR VR** as may be needed to obtain the desired air content in the production mix. Check the air content of the first production batch and make further adjustment if needed.

DOSAGE

The exact dosage of the air-entraining agent needed for desired air content in concrete depend upon the quality and grading of concrete making materials (cement and sand).

When using **MICRO-AIR VR** alone, use 20 – 100 ml per 100kg of cement depending on the amount of air entrainment desired.

In mixes containing POZZOLITH, water reducing, set controlling admixture, the amount of **MICRO-AIR VR** needed is somewhat less than the amount required in plain mixes.

In fly ash admixed concrete, the amount of **MICRO-AIR VR** needed is generally twice that required in mixes containing only cement.

PACKAGING

MICRO-AIR VR is supplied in 205L steel drums.

SHELF LIFE

MICRO-AIR VR can be stored for 12 months if stored at temperatures above 5°C, in tightly sealed original drums. If found to be frozen, thaw it and reconstitute by stirring.

PRECAUTIONS

Health : **MICRO-AIR VR** does not contain any hazardous substances requiring labelling.

It is safe for use with standard precautions followed in the construction industry, such as use of hand gloves, safety goggles, etc.

For detailed Health, Safety and Environmental recommendations, please consult and follow all instructions on the product Material Safety Data Sheet.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF Construction Chemicals** 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 Construction Chemicals** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF Construction Chemicals**, are responsible for carrying out procedures appropriate to a specific application.

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