



The Chemical Company

MICRO-AIR[®] 940

Air entraining admixture for concrete

DESCRIPTION

MICRO-AIR 940 is a ready-to-use, liquid air entraining agent for use in all types of concrete. It is particularly recommended for use in concrete in which it has previously been difficult to maintain the desired air content. It is supplied as a ready-to-use aqueous solution, free of added chloride.

MICRO-AIR 940 is formulated to meet ASTM C260 requirements for Air Entraining Admixtures.

RECOMMENDED FOR

- low slump concrete
- flowable concrete
- high temperature concrete
- concrete with extended working times
- lightweight and prestressed concrete
- for imparting workability to lean harsh mixes
- to reduced bleeding caused by grading deficiencies in the concrete materials
- increasing the entrained air content of concrete with air entraining Portland cements

Compatibility

MICRO-AIR 940 is compatible for use in concrete containing **POZZOLITH[®]** or other admixtures, such as: high range water reducers, accelerators, retarders, densifiers and water repellents. However, combinations of admixtures should always be tested in concrete before use. When two or more admixture are used, they must be added to the mix separately (through dispensers or by hand) and must not be mixed with each other prior to adding to the concrete mix.

FEATURES AND BENEFITS

The use of **MICRO-AIR 940** to entrain optimum air content in concrete results in the following improvements in concrete quality:

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| Improved plasticity | Improves workability. |
| Improved cohesiveness | Reduces segregation and bleeding. |
| Improved ability to entrain and retain air in concrete | Increases durability to damage from freezing and thawing. |

TYPICAL PERFORMANCE DATA

MICRO-AIR 940 will increase the air content of the concrete, depending on the amount of dosage to be used.

APPLICATION

When **MICRO-AIR 940** is mixed into a **POZZOLITH[®]** solution, agitate thoroughly before use. **MICRO-AIR 940** does not need to be diluted.

DOSAGE

There is no standard dosage rate for **MICRO-AIR 940**. The exact amount of the air entraining admixture needed for a given air content of concrete varies because of differences in concrete-making materials.

The amount of **MICRO-AIR 940** to use will depend upon the amount of air required under actual job conditions. In a trial mix use 10 to 100 ml per 100 kg of cementitious materials.

In mixes containing water-reducing, set-controlling admixtures, the amount of **MICRO-AIR 940** needed is somewhat less than the amount required in plain mixes. In fly ash mixes, the amount of **MICRO-AIR 940** needed can be double that required in mixes containing cement only.

PACKAGING

MICRO-AIR 940 is normally supplied in 205L drums. In special circumstances, such as large civil engineering projects and high production concrete plants, bulk delivery can be arranged.

SHELF LIFE

MICRO-AIR 940 can be stored for 12 months if stored at temperatures above 0°C, in tightly sealed original drums. If found to be frozen, thaw it and reconstitute by stirring.

PRECAUTIONS

Health : **MICRO-AIR 940** 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.

1-1-2-0208

BASF Construction Chemicals offices in ASEAN

Singapore

Tel :+65-6861-6766
Fax :+65-6861-3186

Malaysia

Tel :+60-3-5628-3388
Fax :+60-3-7847-6781

Indonesia

Tel :+62-21-893-4339
Fax :+62-21-893-4342

Thailand

Tel :+66-2204-9427
Fax :+66-2664-9267

Vietnam

Tel :+84-650-743-100
Fax :+84-650-743-200

Philippines

Tel : +63-2-889-4321
Fax : +63-2-889-4361



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STATEMENT OF RESPONSIBILITY

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NOTE

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