

# MasterSet R 105XR

## Retarding admixture to increase ultimate strengths.

### DESCRIPTION AND WHERE TO USE

MasterSet R 105XR is a brown liquid product based on synthetic materials. When added to the concrete mix, the admixture is adsorbed onto the cement particles thus favouring the dispersion of cement agglomerates.

Consequently, the flow of cement particles is easier and a higher flowability of the mix is therefore obtained.

MasterSet R 105XR increases workability and delays the initial hydration of cement, thus retarding setting times and extending workability.

**The use of MasterSet R 105XR is advisable in those concretes where delayed setting time and improvement of all concrete qualities are required.**

**MasterSet R 105XR improves pumped concrete and all types of concrete traditionally placed.**

MasterSet R 105XR is chloride free, meets UNI EN 934-2 UNI EN 480 (1-2), UNI 10765, ASTM C 494-92 requirements for Type D and it is also compatible with all cements meeting the UNI EN 197-1 and ASTM standards.

### BENEFITS

MasterSet R 105XR benefits:

- Higher workability and easier placing even at high temperatures.
- Moderate or long retardation of setting times according to the dosage used.
- Higher ultimate strength.
- Better surface finish.

### COMPATIBILITY

MasterSet R 105XR is compatible with all types of Portland, ASR, pozzolanic and slag cement.

MasterSet R 105XR does not entrain any additional air.

- The combined use of MasterSet R 105XR and MasterAir is advised when concrete is exposed to a freeze and thawing cycles (following UNI EN 206-1).
- Each admixture must be added separately to the mix.

### DIRECTIONS FOR USE

MasterSet R 105XR is a ready-to-use liquid admixture, which should be added to the concrete after all the other components are in the mix. This is particularly important in order to obtain maximum efficacy.

Technical Information	
Form	Liquido
Colour	Dark Brown
Relative density (g/ml at 20°C)	1.087 – 1.147

### DOSAGE

MasterSet R 105XR is normally used at dosages of 0.2 to 0.7 liters per 100 kg of binder.

MasterSet R 105XR can also be used at lower dosages in order to obtain a controlled retardation of setting times.

In such cases please consult our Technical Service Department for advice.

### PACKAGING AND STORAGE

MasterSet R 105XR is available in 10L cans, 208L drums, 1.000L tanks or in bulk.

Store the product in a place where the temperature will not drop below 5°C. In case of freezing, warm up and homogenise the admixture solution before using.



We create chemistry

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From 16/12/1992 BASF Construction Chemicals Italia Spa operates under the Quality System in compliance with European Standard UNI-EN ISO 9001. The environmental management system of BASF Construction Chemicals Italia Spa is certified accordingly to UNI EN ISO 14001 and the System of Safety is certified accordingly to OHSAS 18001.

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For further information, please consult your local BASF Construction Chemicals Italia Spa representative.

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The owner, his representative, or the contractor is responsible for checking the suitability of our products as to the intended use and aims.

Supersedes all prior issues on this product.

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