

MasterSet R 105 XR

Retarding admixture to increase ultimate strenghts.

Material description

MasterSet R 105 XR 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.

Areas of application

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

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

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

MasterSet R 105 XR 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.

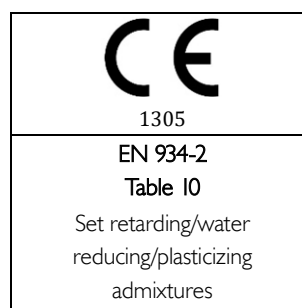
Features and benefits

MasterSet R 105 XR 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.

Set retarding/water reducing/plasticizing admixtures MasterSet R 105 XR 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.

In compliance with the European Regulation (EU No 305/2011 and EU No. 574/2014) the product is provided with the CE marking according to UNI EN 934-2 and the relative DoP (Declaration of Performance).



Compatibility

MasterSet R 105 XR does not entrain any additional air.

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

Dosage

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

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

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

Packaging

MasterSet R 105 XR is available in 10L cans, 208L drums, 1,000L tanks or in bulk.

MasterSet R I05 XR

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Storage

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.

Technical Information	
Appearance	Yellowish liquid
Density (at 20°C)	1.097 – 1.137 g/cm ³

Safety information

For information on the correct and safe use, transport, storage and disposal of the product, consult the most recent Safety Data Sheet.

Scan QR code to visit the product page and download the latest version of this technical data sheet and any additional documentation.



Other services

For additional technical information, brochures, references, technical reports and technical support please visit www.master-builders-solutions.com/it-it or alternatively contact infomac@masterbuilders.com.

Disclaimer

Since 16/12/1992, Master Builders Solutions Italia Spa has been operating under a Certified Quality System compliant with the UNI EN ISO 9001 Standard. Furthermore, the Environmental Management System is certified according to the UNI EN ISO 14001 Standard and the Safety Management System is certified according to the UNI ISO 45001 Standard.

For further information, please consult the local Technician of Master Builders Solutions. The technical advice on how to use our products, either written or verbally given, are based on the current state of our scientific and practical expertise, and does not imply the assumption of any guarantee and/or responsibility for the final results of works executed using our products.

Therefore, the customer is not exempted from the exclusive task and responsibility of verifying the suitability of our products for the intended use and purposes.

This version supersedes all the previous ones.

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