

MasterSet R 330

Set retarding admixture for ready-mix concrete to be used in hot climates.

Material description

MasterSet R 330 is a liquid product based on retarding chemicals to be used in concrete as set retarding admixture, especially in hot climates and when a long slump retention is required.

MasterSet R 330 is chloride free, EN 934-2 and it is also compatible with all cements meeting the EN 197-1 standards.

Benefits

For Concrete

- In addition to a water reducer and depending on dosage and mix design, long slump retention especially in hot climates.

Compatibility

For concrete production, we strongly recommend the use of a water reducer or high range WR from MasterGlenium, MasterEase or MasterCO₂re line to lower the W/C ratio.

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).

Dosage

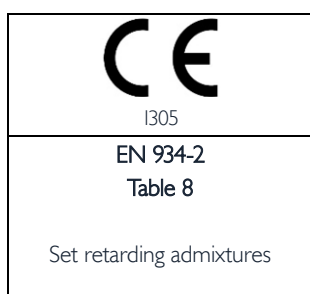
For concrete, the recommended dosage of MasterSet R 330 can range from 0.2 to 1.0 litres per 100 kg of binder depending on the retardation required and the external temperature. A preliminary trial is strongly advised to set up the correct dosage of the admixture.

Other dosages may be recommended in special cases according to specific job site conditions. In these cases, please consult our Technical Service Department for advice.

Packaging and storage

MasterSet R 330 is supplied in 10 L cans 1,000 L tanks or in bulk.

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



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Technical Information	
Form	Liquid
Relative density (g/ml at 20°C)	1.108 – 1.148
Essential characteristic in accordance to EN 934-2	Performance
Chloride ion content	≤ 0.1% by mass
Alkali content (Na ₂ O equivalent)	≤ 5.0%
Corrosion behaviour	Contains component only from EN 934-1: 3008 Annex A. I
Compressive strength	Equal consistence: 7 days ≥ 80% 28 days ≥ 90%
Air content	Equal consistence: ≤ 2.0 %
Setting time	initial: test mix ≥ control mix + 90 min final: test mix ≥ control mix + 360 min

Directions for use

For Concrete

MasterSet R 330 can be added to the concrete during the mixing process:

- mix cement and secondary binders, sand, coarse aggregates and the mix water until a stiff, yet homogeneous, mixture is obtained;
- optimal mixing water reduction is obtained if MasterGlenium, MasterEase or MasterCO₂re and MasterSet R 330 is mixed into the concrete right after the addition of the initial 80-90% of the total water;
- avoid adding the admixture to the dry aggregates;
- add MasterSet R 330 before the addition of the admixture and mix again for to 60 seconds in order to disperse it homogeneously;
- continue mixing until required workability is obtained, with addition of the remaining water.

Safety instruction

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

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.

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



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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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