

MasterMatrix 150

High performance viscosity modifying agent (VMA) for fluid concretes

DESCRIPTION

MasterMatrix 150 is an innovative product. It is an aqueous solution of a high-molecular weight synthetic copolymer. Thanks to its tailored mode of action in concrete, **MasterMatrix 150** imparts a level of viscosity within a mix enabling the right balance between fluidity, passing ability and resistance to segregation apparently opposing properties - to be achieved. The balance is lacking when the fluidity of the concrete is obtained by adding water.

MasterMatrix 150 is a key component to Master Builders Solutions for Highly Flowable Concrete or Self Compacting Concrete (SCC) for benefits in:

- Economy: Savings on fines (<0.125 mm), up to 40% faster placing and up to 5 times higher placing productivity.
- Ecology: Less fines - less CO₂, and higher concrete durability.
- Ergonomic: Significantly reduces the need for compaction, reduces noise, reduces stickiness of the concrete mixture

RECOMMENDED USES

MasterMatrix 150 is optimized for use whenever an increase in mix viscosity would be advantageous, especially for:

- Highly Flowable Concrete or SCC (Self-Compacting Concrete) with a low fines content (material passing the 0.125 mm sieve)

FEATURES AND BENEFITS

MasterMatrix 150 offers the following benefits to the concrete industry:

- Prevents segregation and bleeding
- Can be used with all types of cement
- Does not affect setting time
- Mixes are less sensitive to changes in water demand

PROPERTIES

Appearance	Light brown to dark brown liquid**
SG	1.005 ± 0.002
pH	6.0 ± 1.0
Chloride content	No added chloride

** Colour may vary slightly, however, this does not change the efficacy and product performance.

APPLICATION

MasterMatrix 150 is a ready-to-use liquid admixture, which should be added to the concrete during the mixing process together with the water. This is particularly important in order to obtain maximum efficacy. For best performance it is advisable to continue mixing until the mix is completely homogeneous.

DOSAGE

MasterMatrix 150 is batched on the total of fines below 0.1 mm and is recommended between 100 to 500ml/100kg of fines. Other dosages may be recommended in special cases according to specific job site conditions. In this case please consult our Technical Service Department. (Other dosage may be used in specific application after lab trial was conducted).

COMPATIBILITY

MasterMatrix 150 is compatible with all types of cements. The rheological behavior induced by **MasterMatrix 150** is optimized when used in combination with MasterGlenium superplasticizer. It is incompatible for use with naphthalene sulphonate based superplasticizers.

To produce highly flowable concrete or SCC, **MasterMatrix 150** needs to be used in combination with a superplasticizer admixture of the MasterGlenium range in order to guarantee maximum efficacy.

PACKAGING

MasterMatrix 150 is available in bulk delivery, 1000 litre pallecons and 20 litre containers.

STORAGE / SHELF LIFE

MasterMatrix 150 must be stored at temperatures above 5°C. Store under cover, out of direct sunlight and protect from extreme temperatures. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

MasterMatrix 150 has a shelf life of 12 months when stored as recommended above.



We create chemistry

MasterMatrix 150

PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product, make sure that you obtain a copy of the BASF Safety Data Sheet (SDS) from BASF office or website.

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STATEMENT OF RESPONSIBILITY

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

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