

MasterRoc MS 610

Densified silica fume for cast and sprayed concrete

MATERIAL DESCRIPTION

MasterRoc MS 610 is a high-quality silica fume powder for high performance concretes. It changes the porous structure of the concrete making it denser and more resistant to any type of external influence.

APPLICATIONS

- Wet-mix sprayed concrete applications
- Pre-cast concrete
- Cast in-situ concrete
- High strength concrete
- Underwater concrete
- Concrete with low cement content
- Annulus grouting (TBM)

FEATURES AND BENEFITS

- Increased strength
- Substantially improved resistance to chemical and mechanical attack
- Prevents bleeding and segregation in fresh concrete
- Reduced accelerator consumption
- Very thick layers possible

PACKAGING

MasterRoc MS 610 is supplied in 10 kg bags.

TYPICAL PROPERTIES*

Properties listed are for guidance and are not a guarantee of performance.

Appearance	Grey Powder
Density	0.55 -0.7 kg/l
Chloride content	<0.1%

SAFETY PRECAUTIONS

Avoid contact with eyes and prolonged contact with skin. If contact occurs, wash thoroughly with water and seek medical advice.

For further information refer to the product Material Safety Data Sheet.

COMBINATION

The use of superplasticizers is recommended for any silica fume concrete. For frost resistance, an additional air-entraining agent must be added.

MIXING

MasterRoc MS 610 is added to the concrete during batching. Minimum mixing time is 90 seconds. The recommended dosage is 5 to 15% of the cement weight.

STORAGE

If stored dry and in tightly closed original bags, **MasterRoc MS 610** has a shelf life of 12 months from date of manufacture when stored in undamaged, unopened packaging.

MasterRoc MS 610

Densified silica fume for cast and sprayed concrete

NOTE

Technical support, where provided, does not constitute supervisory responsibility. For additional information contact your local MB Construction Chemicals Solutions South Africa (Pty) Ltd representative. MB Construction Chemicals Solutions South Africa (Pty) Ltd shall not be liable for technical advice provided.

MB Construction Chemicals Solutions South Africa (Pty) Ltd reserves the right to have the true cause of any difficulty determined by accepted test methods. Undertaking such tests is not, and shall not be deemed to

be, an admission of liability or an assumption of any risk, loss, damage or liability.

QUALITY AND RESPONSIBLE CARE

All products originating from MB Construction Chemicals Solutions South Africa (Pty) Ltd are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, environmental and occupational health and safety standards.

* Properties listed are based on laboratory controlled tests

DISCLAIMER

The technical information and application advice given in this MB Construction Chemicals Solutions South Africa (Pty) Ltd 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.