

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.

Areas of Application

- 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)

Characteristics 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

20 kg plastic bags and big bags

Technical Data

Form	Powder
Color	Grey
Density	0.55 – 0.7 kg/l
Chloride content	< 0.1 %

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, Master-Roc MS 610 has a shelf life of at least 12 months.

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.



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Disclaimer

The information given here is true, represents our best knowledge and is based not only on laboratory work but also on field experience. However, because of numerous factors affecting results, we offer this information without guarantee and no patent liability is assumed. For additional information or questions, please contact your local representative.

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