

# MasterRoc<sup>®</sup> MS 660

## Silica fume slurry for cast and sprayed concrete

### DESCRIPTION

**MasterRoc MS 660** is a high quality silica fume slurry for high performance concretes. It changes the porous structure of the concrete making it denser and more resistant to any type of external influence.

### FIELDS OF APPLICATION

- Wet-mix and dry-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
- Dust reduction in dry-mix application

### PACKAGING

**MasterRoc MS 660** is supplied in 20 kg plastic cans, 1400 kg containers or in bulk.

### TECHNICAL DATA\*

Form	Liquid
Color	Grey
Density	1.4±0.1 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 660** is added to the concrete during batching, and should be mixed before use. In the dry-mix process, it is added with the mixing water at the nozzle. The recommended dosage is 5 to 20 % slurry by weight of binder.

### STORAGE

The minimum storage temperature for **MasterRoc MS 660** is +5°C. Please contact your local Master Builders Solutions representative prior to the use of any product that has been frozen.

If stored in tightly closed containers and under the above conditions, **MasterRoc MS 660** has a shelf life of approximately 3 months. Periodical remixing can extend the shelf life further.

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## 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.

\* Properties listed are based on laboratory controlled tests.

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## Master\_Builders\_Solutions\_CC-UAE/Roc\_MS660/v1/10\_13

### STATEMENT OF RESPONSIBILITY

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

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