

MasterRoc[®] MS 695

Liquid colloidal silica

MATERIAL DESCRIPTION

MasterRoc MS 695 is a liquid dispersion of nanometric colloidal silica, designed to improve the properties of shotcrete and concrete in both the plastic and hardened states.

AREAS OF APPLICATION

MasterRoc MS 695 is suitable for:

- Improving the performance of pumped concrete, shotcrete and conventionally placed concrete
- Improving the performance of plain, reinforced, precast, lightweight or standard weight concrete
- Use in white or coloured concrete
- Use in architectural concrete

CHARACTERISTICS AND BENEFITS

MasterRoc MS 695 admixture aids in the production of shotcrete and concrete with these special qualities:

- Normal setting characteristics
- Reduced bleed characteristics
- Reduced segregation particularly in lean mixes and high slump concrete
- Improved "workability time" and stability
- Improved pumpability, especially over long distances
- Improved sprayability of shotcrete, including a large reduction in the amount of rebound
- Improved durability
- Reduction in shrinkage of hardened concrete

TECHNICAL DATA

Form	Liquid
Colour	Translucent, milky liquid
Density	1.1
pH value	9
Viscosity (@ 20°C)	<20 cPs
Thermal Stability	5°C to 35°C
Chloride content	<0.1%

DOSAGE

MasterRoc MS 695 is normally used between 2% and 4% by weight of cement ie. 2kg (1800mls) to 4kg (3600mls) per 100kg cementitious binder. Higher dose rates may be used after consultation with your local Master Builders Solutions Technical Sales Representative.

COMPATABILITY

MasterRoc MS 695 can be used with other Master Builders Solutions admixtures to achieve cost effective customised performance. However, all admixtures should be dispensed separately to ensure complete distribution throughout the mix. **MasterRoc MS 695** should not be used in conjunction with other admixtures unless specific test information is available.

For the most effective use, it is recommended that **MasterRoc MS 695** be added as the last component of the batching process.

PACKAGING

MasterRoc MS 695 is available 1000 litre pallecons and bulk.

SHELF LIFE

Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Store protected against freezing. Protect from direct sunlight.

MasterRoc MS 695 has a shelf life of 12 months.

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 Safety Data Sheet (SDS) from our office or website.

MasterRoc[®] MS 695

Liquid colloidal silica

DISCLAIMER

MasterRoc-MS695-ANZ-V7-0221

STATEMENT OF RESPONSIBILITY The technical information and application advice given in this MB Solutions Australia 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 and for ensuring that the application and use of the product is in accordance with the manufacturer's guidelines and recommendations.

NOTE Field service where provided does not constitute supervisory responsibility. Suggestions made by MB Solutions Australia Pty Ltd either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not MB Solutions Australia Pty Ltd, are responsible for carrying out procedures appropriate to a

<p>MB Solutions Australia Pty Ltd ABN 69 634 934 419 11 Stanton Road Seven Hills NSW 2147</p> <p>Freecall: 1300 227 300 www.master-builders-solutions.com/en-au</p>	<p>MB Solutions New Zealand Ltd 45C William Pickering Drive Albany, Auckland New Zealand</p> <p>Freecall: 0800 334 877</p>	<p>Emergency Advice: 1300 954 583 within Australia (24hr) 0800 001 607 within New Zealand</p>
--	---	--