

MasterRoc[®] TCC 735

Chloride-free, liquid concrete improver

DESCRIPTION

MasterRoc TCC 735 is a chloride-free, multi-purpose liquid admixture which enhances the quality of sprayed concrete in both the plastic and hardened state. Its unique composition ensures better hydration of the cement. As a result, initial shrinkage is substantially reduced, bonding characteristics are enhanced, and both density and compressive strength are increased.

TYPICAL APPLICATIONS

- Wet-mix sprayed concrete applications
- Cast concrete
- Concrete with low cement content
- Concrete with deficient aggregate grading or low fine content
- Particularly suited to hot climates

ADVANTAGES

- No external curing agent necessary
- Improved workability and pumpability
- Maximized cement hydration
- Reduced initial shrinkage
- Improved bond between layers and to substrate
- Increased density and final strengths
- Reduced permeability

PACKAGING

MasterRoc TCC 735 is supplied in 125 kg drums and 1000 kg IBCs.

TYPICAL PROPERTIES*

Form	Liquid
Colour	Milky white
Density at +20°C	0.9 ± 0.1
pH value	8-10
Viscosity at +20°C	150±25 mPa.s
Solubility in water	Total
Chloride content	<0.1%

APPLICATION GUIDELINES

DOSAGE

MasterRoc TCC 735 is dispensed at the standard rate of 5 kg per m³ of concrete, independent of the dosage of the cement. However, specific job conditions may require a higher or lower dosage and this should be determined by trials.

MIXING

MasterRoc TCC 735 must be stirred well before use, best achieved by rolling the drums. The product is ready to use and must be dispensed together with the mixing water, through normal admixture dispensers. For the best effect, it should be added to the mix together with the last 20 % of the mixing water.

COMPATIBILITY

MasterRoc TCC 735 is compatible with all types of cements, microsilica and pozzolanic materials. It should not be used in combination with superplasticizers or other admixtures containing sulphonated naphthalene, as this could cause instant loss of workability. Please consult your local Master Builders Solutions representative for further advice.

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STORAGE AND SHELF LIFE

The storage temperature for **MasterRoc TCC 735** is between +5°C and +50°C. The product must not freeze. If stored in tightly closed containers and under the above conditions, it has a shelf life of at least 6 months.

HEALTH AND SAFETY

This product contains components which may cause irritation. Avoid contact with skin and eyes. If eye contact occurs, wash thoroughly with water and seek medical advice.

For further information refer to Material Safety Data Sheet.

* Properties listed are based on laboratory controlled tests.

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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

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