

MasterRoc® TCC 735

Chloride-free, Liquid Concrete Improver

Material 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 creased.

Areas of Application

- 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

Characteristics and Benefits

- 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.

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.

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.

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.

Technical Properties	
Form	Liquid
Color	Milky white
Density (20° C)	0.9 ± 0.1 g/cm ³
pH-Value	8 – 10
Viscosity	150 ± 25 mPa.s
Solubility in Water	Total
Chloride Content	< 0.1%

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Health and Safety

The use of gloves, eye protection and safety clothes are recommended. Any physical contact (e.g., skin or eyes) with the product should be avoided. If contact with skin occurs, wash thoroughly using soap and water. In case of eye contact, rinse thoroughly with an eyebath filled with water and seek medical advice. The cured product is harmless and inert. Uncured products should not enter the local drainage system. Spillage must be collected using absorbent materials such as sawdust and/or sand and disposed of in accordance with local regulations. For further information please refer to the Safety Data Sheet or contact your local Master Builders Solutions representative.

Disclaimer

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **MBT Teknik Yapı Kimyasalları Sanayi ve Ticaret A.Ş.** is only responsible for the quality of the product **MBT Teknik Yapı Kimyasalları Sanayi ve Ticaret A.Ş.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones.

Contact

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