

MasterRoc[®] TCC 780

Liquid pumping aid

DESCRIPTION

MasterRoc TCC 780 is a highly effective pumping aid that makes the concrete thixotropic and easy to pump, eliminating the risk of segregation.

As it does not contribute to water reduction, it should always be used in combination with water reducing admixtures such as superplasticizers. For advice, please consult your local Master Builders Solutions representative.

TYPICAL APPLICATIONS

- Wet-mix sprayed concrete applications
- Cast concrete
- Concrete with low cement content
- Concrete with deficient aggregate grading or low fine content
- Annulus grouting (TBM)

ADVANTAGES

MasterRoc TCC 780 considerably improves the properties of fresh and hardened concrete.

- Improved pumpability, especially with low cement content, lack of fines and badly graded aggregates
- Reduces the risk of segregation even at high slump
- Improved concrete sprayability and less rebound
- Higher cohesion, which allows reduced accelerator consumption

PACKAGING

MasterRoc TCC 780 is supplied in 210 L drums, 1000 L IBCs or in bulk.

TYPICAL PROPERTIES*

Form	Liquid
Color	Transparent
Density at +20°C	1.0±0.01 kg/L
pH value	7-9.5
Viscosity at +20°C	300-700 mPa.s
Solubility in water	Total
Chloride content	<0.1%

APPLICATION GUIDELINES

MIXING

MasterRoc TCC 780 is added during batching. The recommended dosage is 1-10 kg per 1 m³ of concrete, depending on the field of application and local conditions.

STORAGE AND SHELF LIFE

The storage temperature for **MasterRoc TCC 780** is between +5°C and +50°C. If stored in tightly closed original containers and under the above conditions, it has a shelf life of at least 12 months. Please contact your local Master Builders Solutions representative prior to the use of any products that have frozen.

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HEALTH AND SAFETY

Avoid eye and skin contact and wear rubber gloves and safety glasses.

For further information refer to product 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

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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