

MasterRoc® TSG 7 (Formerly known as Meyco® TSG 7)

First Fill Tail Sealant for Shielded Tunnel Boring Machines (TBM)

DESCRIPTION OF PRODUCT

MasterRoc® TSG 7 is a tail sealant for shielded tunnel boring machines. It effectively seals the gap between the shield and concrete segments to prevent the ingress of water, grout and soil. It is formulated to resist high water and grout pressures, and has excellent adhesion to all types of surfaces. It is designed as a first fill sealant.

FIELDS OF APPLICATION

Tunnelling with shielded TBMs equipped with a brush seal system.

FEATURES AND BENEFITS

- Excellent sealing properties
- Excellent adhesion to any metal or concrete surfaces
- Good pumping properties if pumping system is moved close to the application location

PACKAGING

MasterRoc® TSG 7 is available in standard 70 kg or 250 kg steel drums for press plate pumps.

STORAGE

MasterRoc® TSG 7 should be stored at 5 - 35°C. If stored in original tightly closed drums it has a shelf life of 12 months.

SAFETY PRECAUTIONS

MasterRoc® TSG 7 contains no hazardous substances. However, standard precautions for handling chemical products should be observed. Avoid eye and skin contact and wear rubber gloves and safety glasses. If skin contact occurs, rinse with plenty of water. In case of eye contact seek medical advice. For further information, refer to the Material Safety Data Sheet.

DISCLAIMER

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is only responsible for the quality of the product **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** 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.

TECHNICAL DATA

Form	Homogenous Paste
Colour	Light Grey
Odour	Slight Odour
Density [kg/m ³] 20°C	1670 ± 50
Consistency ASTM D 217 [1/10 mm]	218 ± 10
Water Spray Off ASTM D 4049	<5%
Matsumara Sealing Test	34.3 bar
Volatility ASTM D 972	<2%
Oil Dropping Point ISO 2176	>170°C
Thermal Decomposition	>180°C
Sulfated Ashes	>50%
Insoluble Matter	>50%

The average consumption to fill a 3 row brush system is 50 kg per meter shield circumference.

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CONTACT INFORMATION

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