

# MasterRoc® TSG 6 (Formerly known as Meyco® TSG 6)

## Tail Sealant for Shielded Tunnel Boring Machines (TBM)

### DESCRIPTION OF PRODUCT

**MasterRoc® TSG 6** 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 ground pressures, and has excellent pumping properties and adhesion to all types of surfaces.

### 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
- Excellent pumping properties

### CONSUMPTION

The typical consumption rate varies between 0.8 and 1.5 kg/m<sup>2</sup> of segment outer surface area, but can fall outside this range. Consumption depends on numerous factors such as segment surface conditions, curve drives, brush conditions, grouting pressures etc.

### STORAGE

**MasterRoc® TSG 6** should be stored at 5 - 35°C. If stored in original tightly closed drums it has a shelf life of 12 months.

### PACKAGING

**MasterRoc® TSG 6** is available in standard 70 kg or 250 kg steel drums for press plate pumps.

### SAFETY PRECAUTIONS

**MasterRoc® TSG 6** is an inert material and is not hazardous. It is ecologically and environmentally friendly and poses no threat to worker safety or the environment. However, it is recommended that all normal precautions be taken when handling the product, such as the use of eye protection and gloves.

### 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	Beige
Odour	Slight Odour
Density [kg/m <sup>3</sup> ] 20°C	1590 ± 50
Consistency ASTM D 217 [1/10 mm] Viscosity (20°C, approx.)	200 ± 10
@ shear rate 0,1/s	580 Pa.s
@ shear rate 100/s	115 Pa.s
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%
Water Spray Off ASTM D 4049	<5%

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### CONTACT INFORMATION

**Master Builders Solutions Yapı Kimyasalları**

**Sanayi ve Ticaret Ltd. Şti.**

Adres: Barbaros Mah. Begonya Sok.

Nidakule Kuzey Ataşehir, C Kapısı

No:3 E/5, 34746 Ataşehir İstanbul / Türkiye

Tel: 0216 217 88 00

Mail: [mbs.tr@mbcc-group.com](mailto:mbs.tr@mbcc-group.com)

Web: [www.master-builders-solutions.com/tr-tr](http://www.master-builders-solutions.com/tr-tr)

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**MasterRoc® TSG 6** Technical Data Sheet -Revision Date:  
12/2020