

MasterRoc TSG 7

First fill tail sealant for shielded Tunnel Boring Machines

Material Description

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.

Areas of Application

Tunneling with shielded TBMs equipped with a brush seal system.

Characteristics & Benefits

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

Technical Data

Form	Homogenous paste
Colour	Light grey
Smell	Slight odour
Density kg/litre; 20°C	1700 ± 10
Consistency ASTM D 217 (1/10mm)	200 ± 20
Water spray off ASTM D 4049	< 5%
Matsumura 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%

Consumption

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

Packaging

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

Storage & Shelf Life

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.

Precautions

For the full health and safety hazard information and how to safely handle and use this product, make sure that you obtain a copy of the Safety Data Sheet (SDS) from our office or website.

MasterRoc TSG 7

First fill tail sealant for shielded Tunnel Boring Machines

Disclaimer

MasterRoc-TSG7 -ANZ-V8-0723

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this MB Solutions Australia Pty Ltd 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 and for ensuring that the application and use of the product is in accordance with the manufacturer's guidelines and recommendations.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by MB Solutions Australia Pty Ltd either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not MB Solutions Australia Pty Ltd, are responsible for carrying out procedures appropriate to a specific application.

MB Solutions Australia Pty Ltd

ABN 69 634 934 419
 11 Stanton Road
 Seven Hills NSW 2147

Freecall: 1300 227 300

www.master-builders-solutions.com/en-au

MB Solutions New Zealand Ltd

45C William Pickering Drive
 Albany, Auckland
 New Zealand

Phone: +64 9 414 7233

Emergency Advice:

1300 954 583 within Australia (24hr)
 0800 001 607 within New Zealand

