

MasterRoc TSG 800

Fire resistant tail sealant for mechanized shielded Tunnel Boring Machines (TBMs)

Material Description

MasterRoc TSG 800 is a fire-resistant tail sealant used for wire brushes which seal the gap between the shield tail and the concrete segments to prevent the ingress of water, grout and soil. It is formulated to resist water and grout pressures and has excellent pumping properties.

Areas of Application

Tunneling with shielded mechanized tunnel boring machines (TBMs) equipped with a tail seal brush system.

Characteristics & Benefits

- Fire resistant, no propagation of flames when exposed to sparks or flames
- Excellent sealing properties
- Excellent adhesion to any metal or concrete surfaces
- Excellent pumping properties

Technical Data

Form	Homogenous paste
Colour	Light beige
Odour	Slight odour
Density (g/cm ³); 20°C	1.3
Matsumara sealing test	34.3 bar pass
Volatility ASTM D 972	<2%
Oil dropping point ISO 2176	>170°C
Thermal decomposition	> 180°C

Consumption

The typical consumption rate varies between 0.8 and 1.5 kg/m² of segment outer surface area, however this is a range of values subject to numerous factors. Consumption rates depends on several factors such as segment ring surface conditions, degree of curvature of tunnel drives, tail seal brush conditions, grouting pressures, and slurry pressures.

Packaging

MasterRoc TSG 800 is available in standard (250 kg) 205 litre drums; 20 kg or 70 kg pails for press plate pumps.

Storage & Shelf Life

MasterRoc TSG 800 should be stored at 5 - 35°C. Stored in original tightly closed drums it has a shelf life of up to 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 800

Fire resistant tail sealant for mechanized shielded Tunnel Boring Machines (TBMs)

Disclaimer

MasterRoc-TSG800 -ANZ-V3-0723

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

