

MasterRoc TSG 9

Tail sealant for shielded Tunnel Boring Machines

Material Description

MasterRoc TSG 9 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 or soil. It is formulated to resist high water and ground pressures, and has excellent pumping properties and adhesion to all surfaces.

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
- Excellent pumping properties

Technical Data

Form	Homogenous paste
Colour	Off white
Smell	Characteristic
Density kg/litre; 20°C	1500 ± 30
Consistency ASTM D 217 (1/10mm)	210 ± 10
Matsumura sealing test	34.3 bar
Sulfated Ashes	> 50%
Insoluble matter	> 50%

Consumption

Consumption will depend on numerous factors, such as segment surface conditions, curve drives, brush conditions, grouting pressures, etc.

The usual consumption rate can vary between 0.8 – 1.5 kg/m² of segment outer surface area, but may well fall outside this range.

Packaging

MasterRoc TSG 9 is available in 70kg and 250kg steel drums.

Storage & Shelf Life

MasterRoc TSG 9 should be stored in unopened, original containers, preferably at 5 - 35°C. Shelf life is a minimum 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.



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Disclaimer

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STATEMENT OF RESPONSIBILITY

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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.

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