

# MEYCO<sup>®</sup> TSG 7

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

### Product description

MEYCO<sup>®</sup> 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 soil, water or grout. MEYCO<sup>®</sup> TSG 7 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 place

### Technical data

(Typical values)

Form	homogenous paste
Colour	light grey
Smell	slight odour
Density [kg/m <sup>3</sup> ] 20°C	1670 ± 50
Consistency ASTM D 217 [1/10 mm]	220±15
Matsumara sealing test	34,3 bar
Water spray off ASTM D 4049	< 5%
Volatility ASTM D 972	< 2%
Oil dropping point after ISO 2176	> 170°C
Thermal decomposition	> 180°C
Sulfated Ashes	> 50%
Insoluble matter	> 50%

### Packaging

MEYCO<sup>®</sup> TSG 7 is packaged in standard 70kg or 250 kg steel drums. Other drum sizes and pack weights are available on request.

### Consumption

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

### Storage

MEYCO<sup>®</sup> TSG7 should be stored in unopened, original containers, preferably at 5 - 35°C. Shelf life is expected to be 12 months minimum.

### Safety precautions

MEYCO<sup>®</sup> TSG7 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.

An independent environmental risk assessment report is available on request.

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