

MEYCO[®] TSG 6

Tail Sealant for Shielded Tunnel Boring Machines (TBM)

Product description

MEYCO[®] 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 or soil. It is formulated to resist high water and ground pressures, and has excellent pumping properties and adhesion to all surfaces.

MEYCO[®] TSG 6 is designed for use in conditions where the ambient temperature will usually remain above 10°C.

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

Packaging

MEYCO[®] TSG 6 is packaged in standard 70 kg or 250 kg steel drums.

Other drum sizes and pack weights are available on request.

Technical data

(Typical values)

Form	homogenous paste
Colour	beige
Smell	slight odour
Density [kg/m ³] 20°C	1670 ± 20
Consistency ASTM D 217 [1/10 mm]	250±10
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%

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.

Storage

MEYCO[®] TSG 6 should be stored in unopened, original containers, preferably at 5-35°C. Shelf life is expected to be 12 months minimum.



The Chemical Company

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Safety precautions

MEYCO[®] 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.

An independent environmental risk assessment report is available on request.

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