

DESCRIPTION

TamSeal TG12 is a special first fill grade tail sealant to be used on shielded tunnel boring machines (TBM). Together with the wire brushes, the sealant forms an impermeable barrier between the tail shield of the TBM and the concrete segments to effectively seal off any ingress of water, muck and backfill grout back into the TBM invert.

KEY BENEFITS

- > Excellent interaction with the brush seal due to new fibre generation
- > Excellent resistance to water
- > Not mixable with annulus grouts
- > Protects the brushes against wear

TECHNICAL DATA (prov.)

TamSeal TG12	
Odour	None
Colour	Off-white
Form	Homogenous paste
Density (g/cm ³)	Approx. 1.50
Consistency (1/10mm)	220 - 230
Matsumura Water pressure test	Pass at 34.5 bar
Flammability	Self-extinguishing

All technical data stated herein are typical data based on tests carried out under laboratory conditions.

APPLICATION GUIDELINES

Application

TamSeal TG 12 can be pumped by the TBM press plate system, if the pump is placed at the TBM shield (hose length as short as possible).

Consumption

The consumption of the first fill sealant can be calculated with 16.5kg per linear meter of brush row.

PACKAGING

TamSeal TG12 is supplied in 250 kg and 70 kg metal drums, being suitable for the standard press plate pumping system installed in TBMs. Other packaging may be available upon request.

STORAGE

TamSeal TG12 should be stored at room temperature (min 5°C and max 40°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of one year can be expected.

HEALTH & SAFETY

TamSeal TG12 should only be used as tail sealant. We always recommend that the Safety data sheet (SDS) is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. The Safety data sheet is available upon request from your local Normet representative.