

High Performance Tail Sealant for TBMs

DESCRIPTION



TamSeal TG91 is a high performance driving grade tail sealant for 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, soils and backfill grout back into the TBM invert.

TamSeal TG91 performs best when used in conditions with an ambient temperature above 15°C.

KEY BENEFITS

- > Biodegradable
- > Self-extinguishing
- > Excellent resistance to water
- > Anti-washout
- > Excellent adhesion properties
- > Excellent pumpability
- > Controlled consumption rates
- > REACH compliant

TECHNICAL DATA

TamSeal TG91	
Odour	None
Colour	Off White
Form	Homogenous paste
Density	Approx. 1.40 (g/cm ³)
Consistency	210 - 220 (1/10mm)
Matsumura Water pressure test	Pass at 34.5 bar
Flammability	Self-extinguishing

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

APPLICATION GUIDELINES

Consumption

Consumption depends on various parameters like TBM-diameter, brush conditions, grout or water pressure and tunnel alignment.

Typical consumption rates are 0.8 - 1.2 kg/m² segment surface.

PACKAGING

TamSeal TG91 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 TG91 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 TG91 should only be used as directed. 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.