

1st fill Tail Sealant for TBMs

DESCRIPTION



TamSeal TG92 is formulated as a 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, soil and annulus grout/mortar back into the TBM invert.

KEY BENEFITS

- > Biodegradable
- > Self-extinguishing
- > Excellent resistance to water
- > Anti-washout
- > Excellent pumping properties
- > Excellent adhesion properties
- > Not mixable with annulus grouts
- > Protects the brushes against wear

TECHNICAL DATA

TamSeal TG92	
Odour	None
Colour	Off-white/beige
Form	Homogenous paste
Density at 23°C	1.45 ± 0.05 (g/cm ³)
Consistency at 23°C	180 – 210 (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.

Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product. Please note regional climatic conditions may cause a variation in the performance of the product. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous data. Please check with your local Normet office to confirm that this is current issue.

APPLICATION GUIDELINES

Application

TamSeal TG92 can be pumped by the TBM press plate system, if the pump is placed at the TBM shield (hose length as short as possible). TamSeal TG92 performs best when used in conditions with an ambient temperature above 15°C.

Consumption

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

PACKAGING

TamSeal TG92 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 TG92 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. TamSeal TG91 should be conditioned to the appropriate temperature before use.

HEALTH & SAFETY

TamSeal TG92 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.