

Standard Soil Conditioning Foam

DESCRIPTION



TamSoil 195CF acts as a soil conditioner for various types of soils, especially silty sands through to sandy clays. The use of TamSoil 195CF results in the creation of temporary cohesion of the soil as well as a reduction in water permeability. TamSoil 195CF gives the soil a cohesive characteristic which is necessary for tunnel boring. The foam also provides an air cushion for the soil which compensates for any abrupt pressure changes at the tunnel face.

KEY BENEFITS

- › Improvement of soil stability
- › Designed for increased fine particle content
- › Improves spoil rheology
- › Reduction of internal friction of soil paste
- › Environmentally friendly and non-toxic

TYPICAL APPLICATIONS

- › EPB TBM

TECHNICAL DATA

TamSoil 195CF	
Appearance	Clear Colourless Liquid
Density (kg/dm)	1.03 ± 0.02
All at 20°C	

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

APPLICATION GUIDELINES

TamSoil 195CF is designed to create a stable foam when used in foam generators on tunnel boring machines. The foam concentration (cF), foam expansion rate (FER) and the foam injection rate (FIR) of TamSoil 195CF depends on the geology encountered during tunnelling and the cutter head design. However, TamSoil 195CF requires typically a foam concentration ranging from 1.5% to 4%. Depending on the geological conditions it might be recommended to add other TamSoil polymers. These can enhance the rheological behaviour of the soil further.

PACKAGING

TamSoil 195CF can be supplied in bulk, 1000 l IBC's or 200 l drums. Packaging size may vary subject to local regulations and requirements, please contact your local Normet representative for more details.

STORAGE

TamSoil 195CF should be stored at room temperature (min 5°C and max 38°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of six months can be expected.

HEALTH & SAFETY

TamSoil 195CF should only be used as directed. We always recommend that the Safety data sheet 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.

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.