

Soil Conditioning Foam

DESCRIPTION



TamSoil 200CF is a soil conditioning foam specifically developed to be used with tunnel boring machinery (TBM). It acts as a soil conditioner for various types of soil conditions ranging from wet to sandy clay types. The use of TamSoil 200CF results in the creation of temporary cohesion of the soil as well as a reduction in water permeability. TamSoil 200CF 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 the abrupt pressure changes at the tunnel face.

KEY BENEFITS

- > Ease of use
- > Works with both acidic and alkaline type soil conditions
- > Improvement of soil stability
- > Reduces permeability at the tunnel face
- > Improves rheology of the soil
- > Reduction of internal friction in the soil slurry
- > Environmentally safe and non-toxic

TYPICAL APPLICATIONS

- > EPB tunnel boring machinery
- > Soil stabilisation
- > Soil slurry support

TECHNICAL DATA

TamSoil 200CF	
Appearance	Pale Liquid
pH (5% solution)	9 - 10
Density	1.03
Solubility in water	100%

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

APPLICATION GUIDELINES

Stable foam is generated by the dispersion of air into the TamSoil 200CF. The foam formation, foam expansion and the injection rate of TamSoil 200CF into the tunnel face will be dependent on dosage but more importantly the soil conditions encountered

The dosage level will be vary depending on the surrounding soil conditions. However typically the TamSoil 200CF requires a dosage level ranging from 0.5% to 4%.

It is recommended that in addition to the TamSoil 200CF, other TamCem SC stabilising polymers should be used. These will enhance the rheological behaviour of the soil further.

PACKAGING

TamSoil 200CF is supplied in 200 litre drums, 1000 litre IBC tanks and bulk tankers. Packaging size may vary subject to local regulations and requirements.

STORAGE

TamSoil 200CF should be stored at room temperature (min 5°C and max 35°C), kept dry and out of direct sunlight or freezer condition. If these conditions are maintained and the product packaging is unopened, then a shelf life of one year can be expected.

HEALTH & SAFETY

TamSoil 200CF 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.