

Foam with Anti-Clogging Properties

## DESCRIPTION



TamSoil 285AC is a soil conditioning foam with anti-clogging properties specifically developed to be used on a tunnel boring machine (TBM). It acts as a soil conditioner for various types of soils, especially soils with high fine content that have a tendency to clog the TBM cutterhead and mucking system. TamSoil 285AC gives the excavated soil the necessary plastic properties and reduces soil stickiness at the cutterhead, working chamber and screw conveyor. TamSoil 285AC also creates a homogeneous and compressible spoil in order to reduce the cutterhead torque and secure a constant earth pressure in the working chamber during the excavation process.

## KEY BENEFITS

- › Reduces adhesion and cohesion effects of clayey soils
- › Efficient mixing with the excavated soil, reducing cutter head torque
- › Improves spoil rheology
- › Environmentally safe and non-toxic

## TYPICAL APPLICATIONS

- › EPB TBM

## TECHNICAL DATA

TamSoil 285AC	
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 285AC is designed to create a stable foam when used on foam generators in tunnel boring machines. The foam concentration (cF), foam expansion rate (FER) and the foam injection rate (FIR) of TamSoil 285AC depends on the geology encountered during tunnelling and the cutter head design. However, the TamSoil 285AC 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 285AC 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 285AC 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 285AC 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.