TamSoil 860AW

Anti-wear Agent for Hard Rock TBMs

CONSTRUCTION CHEMICALS

TECHNICAL DATA SHEET

DESCRIPTION

TamSoil 860AW is an efficient and eco-compatible anti-wear agent for tunnel boring machines operating in hard rock conditions.

TamSoil 860AW can be used with standard foam equipment known from EPB machines (or simplified versions). Depending on the TBM diameter, the use of a rotary swivel is recommended.

KEY BENEFITS

- Reduction of disk and cutterhead wear of around 20%
- Shorter revision time due to clean cutter discs
- Cooling effect of the disks, reducing disc blockage
- Improved muck transfer
- Improved working conditions for the TBM personal

TYPICAL APPLICATIONS

- Hard Rock Tunnel Boring Machines
- Conveyor belting
- Crushers

TECHNICAL DATA

TamSoil 860AW	
Appearance	Pale yellow
pH (3% solution)	7 - 9
density	1.03
Solubility in water	100%

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

APPLICATION GUIDELINES

TamSoil 860AW is designed to create a stable foam when used on foam generators in tunnel boring machines. The foaming concentration (cF), foam expansion rate (FER) and the foam injection rate (FIR) of TamSoil 860AW depends on the geology encountered during tunnelling and the cutterhead design.

However, the TamSoil 860AW requires typically a foam concentration ranging from 1.5% to 2.5%.

PACKAGING

TamSoil 860AW is supplied in 200 kg drums and 1000 kg IBC and bulk.

STORAGE

TamSoil 860AW should be stored at room temperature (min 5°C and max 40°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 860AW 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.