

Soilax® AC

Ground conditioner for Tunnel Boring Machine Excavation

Soilax® AC is a concentrate designed specifically for conditioning cohesive clays.

TYPICAL APPLICATIONS

- Soilax® AC is for use with Earth Pressure Balance Tunnel Boring Machines
- Muck is conditioned immediately at the cutting face by injecting Soilax® AC through ports in the cutterhead
- The concentrate is diluted with water (0.2%-2% depending on ground conditions) either in a surface plant or on the TBM

FEATURES AND BENEFITS

- Converts sticky cohesive clays into perfect EPB muck with a consistency similar to blue cheese
- Reduces downtime due to cleaning by keeping moisture content below the liquid limit
- Reduces the need to clean conveyors by making the muck less sticky
- Reduces problems with muck disposal by keeping a consistency that dumps want – the only problem will be that you’re going too fast
- Zero-degree angle of repose on muck pile is possible
- Made in the USA
- Readily available
- Just-In-Time delivery possible
- Available in bulk trucks, totes, and drums

BORRAID



Characteristic	Value
Form	Liquid
Color	Colorless
Density at 20°C	1.01 g/cm ³

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GUIDELINES FOR USE

Application:

Soilax® AC can be used with standard foam generators on Earth Pressure Balance (EPB) Tunnel Boring Machines (TBMs). Foam can be injected directly onto the cutting face through the cutterhead, into the excavation chamber, or into the screw conveyor.

Dosage:

The concentrate dosage, Foam Injection Ratio (FIR), and Foam Expansion Ratio (FER) all depend on the conditions of the soil encountered. Typically, Soilax® AC concentrate is diluted between 0.2%-4% with water. In cohesive clays FIR in the range 20%-50% and FER between 1:1 and 4:1 are expected.

Required Equipment:

Soilax® AC is compatible with standard foam generators. For applications such as cleaning of conveyor belts, the diluted solution may be sprayed directly onto the area.

To prevent mixing of non-approved additives, it is recommended to use a dedicated transfer and/or dosing pump for Soilax® AC. If a single pump is used for more than one product, the pump should be thoroughly cleaned with water before switching to Soilax® AC.

STORAGE AND HANDLING

Temperature and Shelf Life:

Soilax® AC should be stored between 40°F and 105°F (5°C and 40°C). Do not allow product to freeze. If stored in the original tightly closed containers, Soilax® AC will have a shelf life of 12 months.

Safety

Standard precautions for handling chemical products should be observed. Avoid eye and skin contact; wear protective gloves and safety goggles. If contact occurs, rinse with water. In case of eye contact, seek medical advice. For further information refer to the Safety Data Sheet.

PACKAGING

Soilax® AC is available in bulk, totes, and drums.

RELATED DOCUMENTS

Safety Data Sheet.

ADDITIONAL INFORMATION

For additional information please contact your sales representative.

LIMITED WARRANTY NOTICE

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