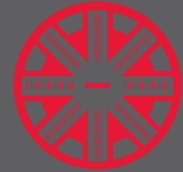


Soilax® S

Ground Conditioner for Tunnel Boring Machine Excavation

Soilax® S is a concentrate designed specifically for conditioning sands and silts.



BORAID
PROVEN GROUND SOLUTIONS

TYPICAL APPLICATIONS

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



FEATURES AND BENEFITS

- Lubricates the cutting face, thereby reducing wear of tools, cutterhead, and screw conveyors
- Facilitates the propagation of bubbles in the foam, creating perfect EPB foam
- For additional foam strength and stability, Soilax® C+ may be added
- Helps to homogenize excavated material, resulting in better pressure control at the face
- Made in the USA
- Readily available
- Just-In-Time delivery possible
- Available in bulk trucks, totes, and drums

CHARACTERISTIC	VALUE
Form	Liquid
Color	Colorless
Density at 20°C	1.06 g/cm ³
VOC Content	0.00%
Biodegradability	Biodegradable

GUIDELINES FOR USE

Application:

Soilax® S 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® S concentrate is diluted between 1%-4% with water. In sandy ground FIR in the range 30%-80% and FER between 4:1 and 20:1 are expected.

To strengthen the foam, Soilax®C+ may be dosed into the diluted solution. A polymer, Soilax®P, is also available for use in conjunction with Soilax® S.

Required Equipment:

Soilax® S 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® S. If a single pump is used for more than one product, the pump should be thoroughly cleaned with water before switching to Soilax® S.

STORAGE AND HANDLING

Temperature and Shelf Life:

Soilax® S 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® S 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® S 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

BORAID® delivers products which conform with the technical properties stated on the applicable current Technical Data Sheet and with the provisions of its quote, provided such products are contained or packaged in the manner required in the quote. EXCEPT AS SPECIFICALLY INDICATED IN THE FOREGOING SENTENCE, BORAID® NEITHER MAKES NOR SHALL BE DEEMED TO HAVE MADE ANY WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THE PRODUCTS, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OR REPRESENTATION AS TO DESIGN, QUALITY, OR CONDITION OF THE PRODUCTS, OR AS TO THE MERCHANTABILITY OR FITNESS OF THE PRODUCTS FOR ANY PARTICULAR PURPOSE OR TO ANY OTHER MATTER RELATING TO THE PRODUCTS. BUYER AGREES THAT THE PRODUCTS ARE OF A KIND AND CAPACITY SELECTED BY BUYER AND THAT BUYER IS SATISFIED FOR ITS PURPOSES AND THAT BORAID® HAS MADE NO REPRESENTATION OR WARRANTY WITH RESPECT TO THE SUITABILITY OF THE PRODUCT FOR THE PURPOSES OR USES OF THE BUYER, OR ANY OTHER REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED WITH RESPECT THERETO. Buyer assumes all risks of whatever nature associated with the use of the Products and shall indemnify and hold harmless BORAID® from all costs of whatever nature arising from or related to the use of the Products. To the extent BORAID® personnel or technicians provide advice and consultation to Buyer, it shall be for information only, shall not alter either party's obligations hereunder in any way whatsoever, and shall not operate to create any liability on behalf of BORAID®.



USA

8800 Roswell Road, Suite 145
Sandy Springs, GA 30350 USA
TF: 800-691-6601
T: 770-321-2500
T: 724-745-5030
info@strataworldwide.com

www.strataworldwide.com

CANADA

Ontario
North Bay, Ontario Canada
Tel: (705) 978 2304