



EUCLID CHEMICAL

EUCON SC12

LIQUID POLYMER FOR SOIL CONDITIONING IN TUNNEL BORING MACHINES

DESCRIPTION

EUCO SC12 is a lubricating polymer in liquid form, which is typically used under normal to difficult ground conditions such as ground containing fine sand, silt or clay with high water content. EUCO SC12 is used where the water content in the soil is elevated and foam alone is inadequate to modify the soil properties.

PRIMARY APPLICATIONS

- Soil conditioning in EPB shield Machines
- Poorly graded or silty ground conditions

FEATURES/BENEFITS

- Reduced permeability and increased sealing at the face
- Creation of plastic deformation properties in the soil which provides an even and controlled support pressure and increased face stability
- Environmentally friendly
- Ready to use
- Lower inner friction and lower abrasiveness of the soil at the cutter head through to the screw conveyor.
- Increased cohesion of coarse, clean sands and gravels, therefore smoother soil extraction
- Strong viscosifying effect, turning wet soil into a more manageable consistency

TECHNICAL INFORMATION

Material Properties:

Form:	Viscous Liquid
Color:	Milky
Specific Gravity:	1.0
pH:	6 – 8
Solubility in water:	Dispersible

PACKAGING

EUCO SC12 is available in standard 5 gal (18.9L), plastic pails, 55 gal (208 L) drums or 275 gal (1041 L) totes

SHELF LIFE

1 year in original, unopened package.

DIRECTIONS FOR USE

Application Guidelines:

EUCO SC12 can be added to the foam solution before or during foam generation or after the foam has been created before injection to the cutter head or working chamber.

EUCO SC12 can also be used independently, in which case it is injected with water or directly to the working chamber or screw conveyor.

Consumption when used as Soil Conditioner:

Ground/spoil conditions and types will effect consumption rate. However, under most conditions, a rate of 1 liter per cubic meter (0.2 gal. per cubic yard) of diluted Euco SC12 is expected.

Consumption when used as cutterhead head foam polymer:

Typical consumption rate of EUCO SC12 is between 0.02 - .04 % of the foam solution or 0.2 – 2 kg/m³ (0.33 - 3.4 lb/yd³) of the volume of soil excavated. Other dosage levels may be appropriate in certain circumstances so consult your local representative.

CLEAN-UP

Clean tools and equipment with water before the material hardens.

PRECAUTIONS/LIMITATIONS

- The storage temperature of EUCO SC12 is between 32° F and 95°F (0°C and 35°C). It is recommended that your local representative be consulted prior to the use of any product that has become frozen..
- EUCO SC12 contains no hazardous substances requiring labeling.
- In all cases, consult the Safety Data Sheet before use.

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