

Cormix® SCF/P1

A SOIL CONDITIONING LIQUID POLYMER FOR USE WITH TUNNEL BORING MACHINES

DESCRIPTION

Cormix SCF/P1 is a liquid lubricating polymer used to enhance the performance of **Cormix SCF** in difficult ground conditions with EPB tunneling methods. It may be used for example in conditions of fine sand, silt or clay with high water contents.

USES & ADVANTAGES

Cormix SCF/P1 is usually used in soil conditions where the water content increases & foam alone is unable to modify the soil conditions. **Cormix SCF/P1** has been developed for use with shielded TBM excavation. It is used in ground containing fine sand, silts or clay in conjunction with **Cormix SCF** or on its own.

Advantages include:-

- Easy to use no mixing.
- Reduced soil permeability.
- Increased cohesion and smoothed soil extraction.
- Reduced friction and abrasion at cutter head.
- Improved face stability.
- Environmentally friendly.
- Helps formation of the plug when injected directly to the screw conveyor.

PROPERTIES

Form :	Liquid
Colour :	Transparent
Density :	1.055-1.065 kg/litre
pH :	5.0-7.5
Solubility :	Totally soluble in water

APPLICATION

Cormix SCF/P1 can be added to the foam solution either before or during foam creation or afterwards before injection to the cutter head or working chamber. Additionally it may be used on its own & injected with water directly to the working chamber or screw conveyor.

DOSAGE

Typically **Cormix SCF/P1** is dosed at between 0.3-3.0% of the foam solution or 0.2-2kg/m³ on the volume of soil excavated.

Other dosage levels may be required depending on conditions.

The FER & FIRs will vary according to ground conditions. Laboratory trials are recommended at Cormix laboratories to determine the best dosage rate, the product may be modified to match the soils conditions.

PACKAGING

25 litre plastic pails or 200 litre plastic drums.

STORAGE & SHELF LIFE

Store **Cormix SCF/P1** between 5°C - 35°C. The shelf life when stored sealed in the original packaging is 12 months.

Do not freeze.

HEALTH & SAFETY

Use standard precautions for handling chemical products.

Avoid eye & skin contact wear rubber gloves & goggles. If skin contact occurs rinse off with water in case of eye contact seek medical advice.

For further information refer to Cormix MSDS.

TECHNICAL SERVICE

The Cormix International Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

QUALITY ASSURANCE

ISO 9001 : 2015 verified by TUV Nord.

CONTACT DETAILS

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