

Cormix® TBM P3

A SOIL CONDITIONING LIQUID POLYMER FOR USE WITH TUNNEL BORING MACHINES

DESCRIPTION

Cormix TBM P3 is a liquid lubricating polymer used to enhance the performance of **Cormix SCF Series** in difficult ground conditions with EPB tunneling methods. It is also used for example in conditions of soil with sand, silt or clay with very high-water contents.

USES & ADVANTAGES

Cormix TBM P3 is used directly in soil conditions with no clay, fine sand & very high-water permeability. **Cormix TBM P3** has been developed for use with shielded TBM excavation. It is also used in ground containing fine sand, silts or clay in conjunction with **Cormix SCF Series** or on its own when the water content increases in soil & foam alone is unable to modify the soil conditions.

Advantages include:-

- Easy to use with soil having high water contents.
- 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 :	Off-white
Density :	1.075-1.095 kg/litre
pH :	5.0-7.5
Solubility :	Totally soluble in water

APPLICATION

Cormix TBM P3 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

0.05 - 0.5% solution for normal soil conditions.

1 - 2 % solution for soil with very high-water contents.

0.1 - 0.3% of foam solution when use with **Cormix SCF Series**.

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

200 litre plastic drums.

STORAGE & SHELF LIFE

Store **Cormix TBM P3** 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.
ISO 14001 : 2015 verified by Lloyd's Register International.

DISCLAIMER

Performance data is achieved testing in accordance with International Standards. Testing by others may result in different results from those published as a result of external factors such as poor sampling, incorrect mixing, varying temperatures, curing, crushing procedures etc.

Cormix does not take responsibility nor need to defend others testing that does not achieve the published data. The user must test the products suitability for the intended application and purpose. Cormix reserves the right to change the properties of the product. Site conditions and differences in materials are such that no warranty or fitness for a particular purpose, nor liability can be inferred from the published data sheet, written recommendations or from other advice offered.

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