

TG Coat I

The mud adding material for hard clay

TG coat I is emulsion type additive that contains an acrylic water-soluble polymer as a main component. It has excellent water retention by thickening effect and protective coating function. The product effects are shown plastic fluidization of the excavated soil, blowout prevention, and prevention of sticking to the cutter and the chamber.

Characteristic

- ◆ The rate of dispersibility and solubility are excellent because it is a liquid type. And, liquid separation is also small.
- ◆ It is possible to reduce the stock space and to make the equipment compact.
- ◆ It is possible to excavate safely in the silt layer and clay layer by water retention effect and protective coating function.
- ◆ The effects in the clay layer excavating are prevention of sticking to the cutter, the chamber, and the screw conveyor, also has the blowout prevention effect.

How to use

- ① Please put TG Coat I into the water that stored preliminarily in the mixer to make arbitrary concentration.
- ② Please stir to dissolve uniformly for about 5 minutes.
- ③ Please start pumping of mud adding materials.

Properties and Package

Main component	Acrylic copolymer
Appearance	Light yellow liquid
Specific gravity	1.0 ~ 1.2(25°C)
p H	7.0 ~ 9.0 (in Pure water 500 fold dilution)
Form	18 kg can

Additive amount and Viscosity

TG Coat I Additive amount (kg/m ³)	Funnel viscosity (Sec.)	Brookfield viscometer (mPa · s)			
		60 rpm	30 rpm	12 rpm	6 rpm
2	35	83	100	165	175
4	120	270	400	650	1125
6	240	580	880	1700	3000

*The above values is our laboratory test result. When you tried to actually use, it is not necessarily correspond to the above values.

Handling precautions

- Please wear safety glasses, protective gloves, and protective mask during handling.
- After handling, please wash your hand and face, and go gargle.

Emergency measures

- Please rinse with water for at least 15 minutes in case of eye contact. If necessary, please seek medical attention.
- In case of swallowed by mistake, please vomit if you can be vomit easily. If not, please do not induce vomiting, and please seek medical attention.

Others

- We have created the contents on the basis of the materials information available at the moment. Therefore, the evaluation and described data is provision of information, and do not guarantee.
- The contents may be revised by the new knowledge.



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