

TG-CELL

The cellulosic thickener for slurry shield method

TG-CELL is a water-soluble polymer composed mainly of cellulose. It becomes viscous liquid when dissolved in water, show the more effective by combination with inorganic minerals such as clay and bentonite.

In slurry shield method, it is possible to impart the thickening effect and stable action of the mud film formation which is required to excavate the natural ground.

Characteristic

- ◆ In excavation operation, it is possible to maintain the stability of the face by having a viscosity suitable for mud water.
- ◆ It is possible to form a mud film having a high water stop property.
- ◆ Because the compatibility with the bentonite and TG-CELL is good, it is possible to impart excellent stability.
- ◆ There is an inhibitory effect of sedimentation in the fluid transport of excavated soil.

Properties

Main component	Sodium Carboxymethyl Cellulose
Appearance	Light yellow powder
Bulk specific gravity	0.6 ~ 0.9
Viscosity	800 ~ 1500 mPa · s (2% water solution)
p H	8.5 ~10.0 (1.0 % water solution)

Additive amount and Viscosity

Additive amount of TG-CELL in muddy water specific gravity 1.15

TG-CELL Additive amount (kg/m ³)	Funnel viscosity (Sec.)
0.0	20.32
1.0	23.48
2.0	28.71
3.0	34.43

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

Package

20 kg Paper bag



20 kg × 50 Paper bags / 1 pallet



Technica[®]
Civil Chemical[®]
Global

Technica Goudou Co., Ltd.

8-6-26-12F, Motoyamaminami-machi, Higashinada-ku, Kobe-shi, Hyogo
658-0015 Japan

TEL : 81-78-436-0280 FAX : 81-78-451-0257

URL : <http://www.technica-goudou.co.jp/>