

TG Geru A agent/B agent

Two-part solidification lubricant (plasticizer)

Characteristics

◆ Effect

TG Geru A agent and B agent solutions were mixing, the produced gel is shown friction-reducing effect. It can also be used to injection material for water cut-off in the field of the high water content.

◆ Workability

TG Geru A agent and B agent has been subdivided to prepare easily the solution in the work field.

◆ Safety

Raw materials are not included poisonous material such as the environment regulated materials.

Applications

◆ Friction-reducing material (plasticizer) used in pipe jacking method.

◆ The water cut-off materials or the ground subsidence inhibitor for shield and semi-shield tunneling method.

How to use

① Please dissolve TG Geru A agent and B agent separately.

② Please put TG Geru A agent 2 cans (50 kg) into the A solution tank. Then adding 164 L of water, the total volume become 200 L. Please stir well until dissolved uniformly.

③ Please put TG Geru B 1 bag (20 kg) into 190 L of water that has preliminarily been stored in the B solution tank. Please stir well for 3~5 minutes.

* In particular, it is necessary to stir sufficiently TG Geru B solution. There is a possibility that the precipitate is accumulated in the bottom of the tank because some material is not readily soluble in water.

④ Please pump TG Geru A and B solution separately. Do not stop the mixer during pumping.

About gel time

◆ Standard value of gel time

The gel time has been set at 20~40 seconds (20 ℃) or 40~60 seconds (10 ℃).

◆ The shortening of gel time

If you need to shorten the gel time, it is possible to be shortened by increasing the A agent.

Recipe

TG Geru A solution	TG Geru B solution
TG Geru A 2 cans (25 kg×2) Water 164 L	TG Geru B 1 bag (20 kg×1) Water 190 L
200 L	200 L
Total 400 L	

Properties

Product name	TG Geru A agent	TG Geru B agent
Appearance	Colorless thick liquid	White powder
Viscosity	120 mPa · s	210 mPa · s
pH	11.5	9.0

Package

Product name	TG Geru A agent	TG Geru B agent
Internal capacity	25 kg (18 L)	20 kg
Package	Oil can · Container	Paper bag

Handling Precautions

- ◆ Please handle so that TG Geru A agent does not get into eyes for alkaline chemicals.
- ◆ Please keep in a safe place so that it does not get wet in the rain.
- ◆ Please pump with stirring always TG Geru B solution.



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