

Integral polymeric mud-making material

TG Hauling D1

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TG Hauling D1 is the integral polymeric mud-making material that does not require a large amount of bentonite and clay.

Characteristic

- ◆ TG Hauling D1 can be imparted good fluidity to the excavated soil. Since it does not cause the dehydration even when subjected to pressure by the jack thrust, does not cause a blockage inside the chamber.
- ◆ TG Hauling D1 can be filling the gap of the sand particles since it contains the super absorbent polymer. Therefore, it is possible to prevent sedimentation of sand and improve the plastic fluidization.
- ◆ Since the amount to be used is small, can improve the space saving and work efficiency.
- ◆ TG Hauling D1 is safe materials that do not contain harmful substances.

Properties and Package

Main component	Inorganic silicate, Acrylic copolymer
pH	8.5 ~ 10.0
Specific gravity	2.5 ~ 2.7
Appearance	Light yellow powder
Package	20 kg bags

Procedure

- ① Please store a predetermined amount of water to the mixer.
- ② Please put the clogging material to the first, and then sufficiently stir.
- ③ Please add TG Hauling D1 slowly to the mixer.
- ④ After the addition of TG Hauling D1, please add the powdered clay as required.
- ⑤ After stirring for about 10 minutes, and start pumping.

Standard recipe for slime injection type pipe jacking method

Materials	unit	Amount of Blend materials in soil Classification (1 m ³)					
		A	B	C-1	C-2	C-3	D
TG Hauling D1	kg	7.5	15	15	15	15	3
Powdered clay	kg	0	0	0	60	120	0
TG Block	kg	6	6	12	12	12	0
Water	kg	991	987	981	957	933	999

*TG Block ; Clogging material (Lost circulation inhibitor)

Soil classification	Content
A	Cohesive soil (N value < 5), Sandy soil (N value < 25)
B	Sandy soil (N value \geq 25), Gravel soil (Gravel rate < 30%, Maximum size of gravel < 20mm)
C-1	Gravel soil (30% \leq Gravel rate < 40%)
C-2	Gravel soil (40% \leq Gravel rate < 60%)
C-3	Gravel soil (60% \leq Gravel rate < 80%)
D	Cohesive soil (5 \leq N value < 50)

Handling Precautions

- ◆ Please do not touch other than construction officials.
- ◆ If the product was leak, please remove immediately because it becomes slippery by contacting with water.
- ◆ At the time of work, please use protective glasses and dust mask or the like.
- ◆ In case of skin contact, wash skin with soap and water. Please seek medical advice if necessary.
- ◆ In case of inhalation, please gargle with water or warm water. Please seek medical advice if necessary.
- ◆ Please entrusted to industrial waste professional if you want to discard this product.



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