Product lineup

ProductName	MT-1 Ordinary mud responsive type	MT-2 Cement mud & Ordinary mud responsive type	MT-3 Sea mud responsive type
Characteristics	White powder	Gray powder	Gray powder
Packing style	Polyethylene pack 15kg (33lb)	Polyethylene pack 15kg (33lb)	Polyethylene pack 18kg (39,7lb)
Addition amount	2~8kg/m³ 1,7~8,4lb/cu.yd	1~5kg/m³ 3,4~13,5lb/cu.yd	1~5kg/m³ 3,4~13,5lb/cu.yd
Features	○This product absorbs water in mud, and changes the mud into better dry characteristics. ○Since reaction occurs as soon as this product sticks to mud, improvement is possible even by light blending only.	○This product absorbs water in mud to increase stickiness of the mud, and improves the mud to have dry characteristics. ○Since this product is effective by mixing dissolved components with soil particles, sufficient mixture is required. ○Since this product is applied by dust-control treatment, dust scattering will be reduced even at a windy site.	○This product absorbs water in mud to increase stickiness of the mud, and improves the mud to have dry characteristics. ○Since this product is effective by mixing dissolved components with soil particles, sufficient mixture is required. ○Since this product is applied by dust-control treatment, dust scattering will be reduced even at a windy site. ○This is a product mainly dedicated to sea mud.

Applicable target soil

Excess mud water generated by propulsion & shield tunneling	Dredged soil from harbors
Dredged rivers	Mud included sea at various kind of construction
Sedimentary soil from ponds	
Mud and soil generated at water purification plant	
Earth and sand caused by disasters	
Polluted sludge generated by various kinds of construction	
Polluted sludge generated by ground improvement	

Cautions and notes on use

○ When using this product, please wear a dust-protective mask and protective gloves and spray improvement target soil with this product.

○ Before using this product, please conduct a pre-blending test with use of soil sampled at a site and comprehend a proper amount of this product to be added to the soil.

○ In order to evenly blend this product, it is recommended to carry out blending in a steel tank or pit.

○ Even though MT-2 and MT-3 can improve mud to be in a plastic state at a low additive amount, they are more effective if sufficient blending is applied.

However, when there is a large amount of soil to be improved or when blending is difficult, it is recommended to improve the soil by using attachments to a backhoe such as a drive mixing.

○ Since some water in mud may be drained when cement or lime is added to MT-1 treated soil, please check the matter by conducting a pre-blending test before using this product.

○ Please store this product indoors or cover it with blue sheet or the like so as not to be exposed to sunlight or rain water.

○ A sample of this product will be offered free of charge, so please contact us or a distributor.

○ Since we have a soil quality testing laboratory, we would like to conduct a blending test free of charge if you send some original soil.

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MORI Institute Environmental Technology Inc,

mud

Carry away

right away

NETIS Registration number
TH-160012-A

MT series

High water-content mud modifiers

MT-1   MT-2   MT-3

Instantly solidifying and carrying away mud generated at site.

Speed × Low cost

MT series are mud modifiers which enable high water-content mud generated at a construction site to be solidified in a short time, and to be carried away instantly by a dump truck.
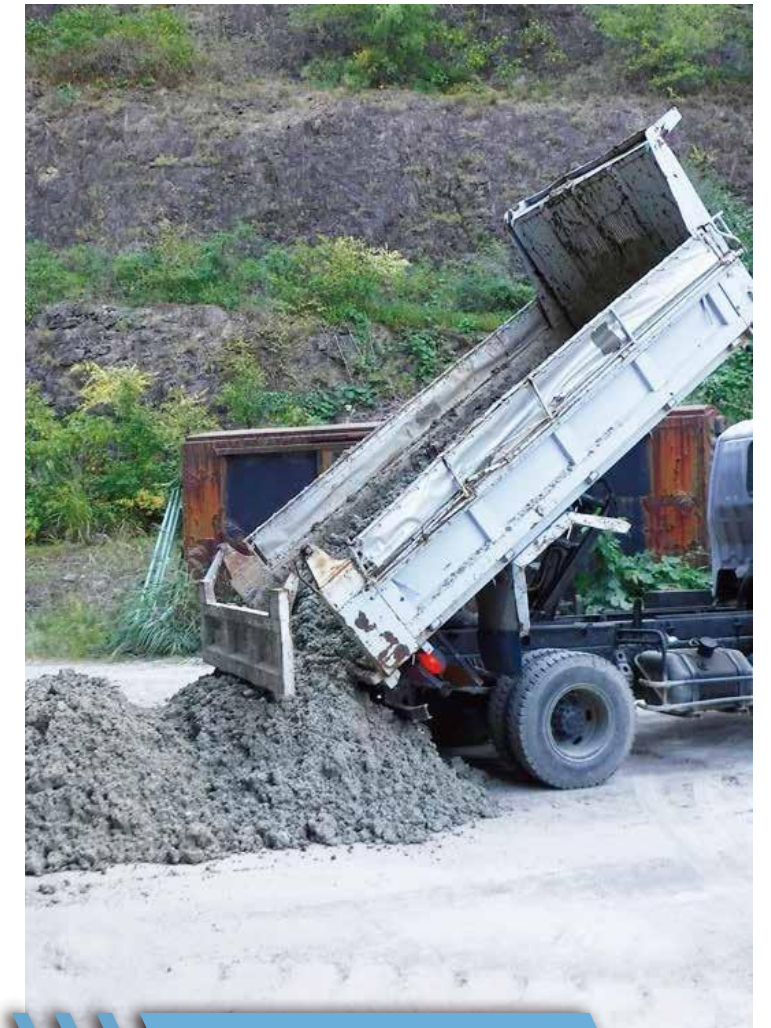
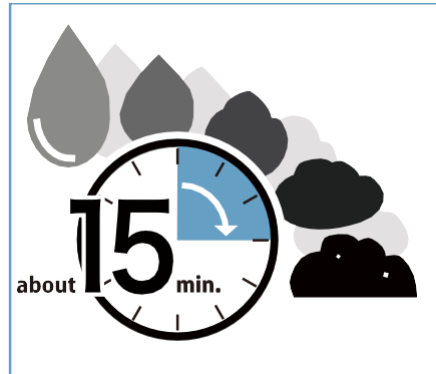**High water mud generating...** ⟫⟫ **Add MT modifier and mix** ⟫⟫ **Loading on dump truck** ⟫⟫ **Instantly carrying away**

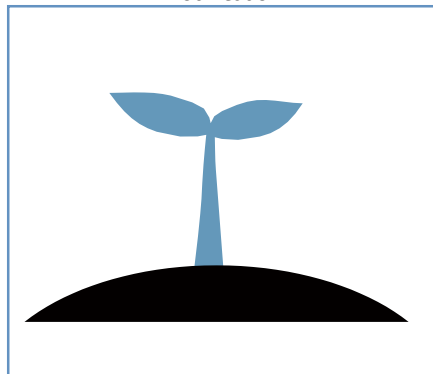Mud will be solidified around 15 minutes after adding this product for modification.

Work can load mud on a dump truck and carrying it away instantly after its modification.
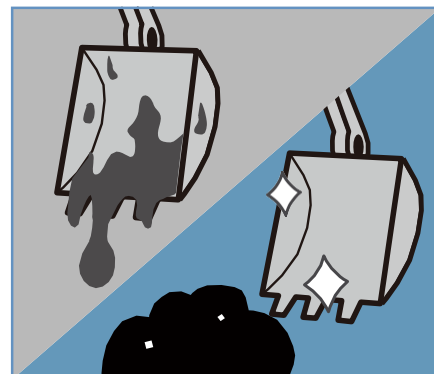
Work can be done with only use of a backhoe and a pit.
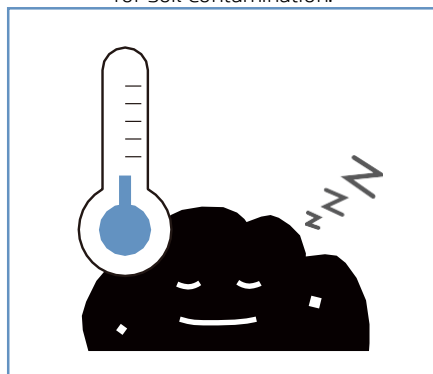
pH7

This product is entirely neutral in pH.

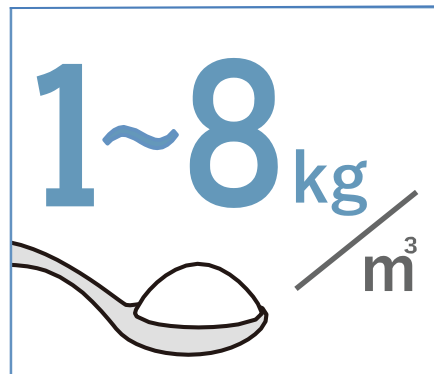This is a safe product satisfying the Environmental Quality Standards for Soil Contamination.

The amount of soil sticking to the backhoe can be reduced because of MT treatment.

Waste generated after using this product can be reduced significantly MT series has packed in polyethylene materials.

MT treatment, unlike lime treatment, does not generate heat.
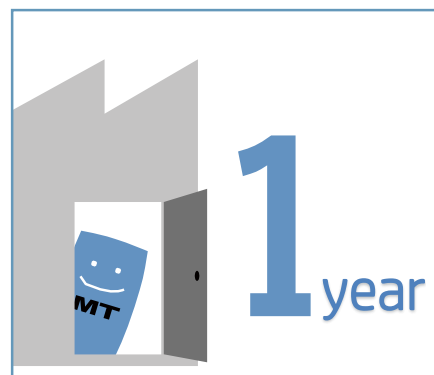
1~8kg/m³

Mud can be modified by adding a smaller amount of this product, compared with cement or lime.

MT-2 and MT-3 can be used even at a windy site because they are applied by dust-control treatment.

MT series

This product is applicable to all kinds of mud including polluted sludge generated by ground improvement and dredged soil.

1 year

This product, if kept indoors, can be safely used for about 1 year.

Excess mud water generated by propulsion and shield tunneling

Dredged soil from rivers and harbors

Polluted sludge generated by ground improvement

Sedimentary soil from ponds

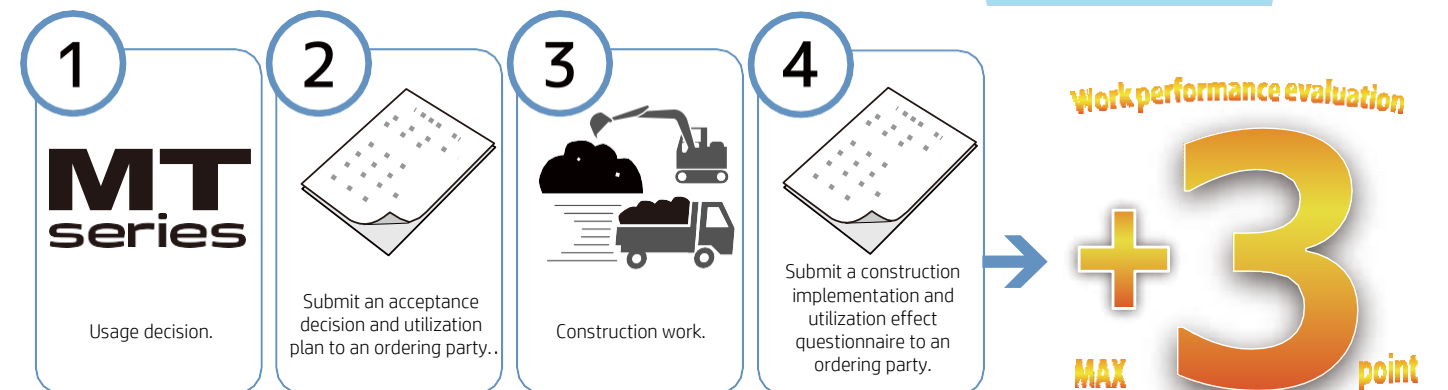Earth and sand caused by disasters

Polluted sludge generated by various kinds of construction

This product is recognized as a NETIS registered technology. Since this product, by being used for works ordered by the Ministry of Land, Infrastructure, Transport and Tourism of JAPAN, is subject to additional points (up to 3 points) at the time of work performance evaluation, please make use of this product.

NETIS
New Technology Information System

Registration number
TH-160012-A

1 **MT series** Usage decision.

2 Submit an acceptance decision and utilization plan to an ordering party..

3 Construction work.

4 Submit a construction implementation and utilization effect questionnaire to an ordering party.

Work performance evaluation

+3 MAX point

※Even work ordered by an individual local government may by subject to additional point at the time of work performance evaluation.
For details, please contact a relevant department of an individual local government.

Use Case ① Mud-thickening system propulsion work

Propulsion status **1**

Original mud condition **2**

Add MT-1 and mix **3**

MT-1
NET 15kg

Loading on truck and carrying away **4**

Use Case ② Reservoir dredging work

Dredging status **1**

Original mud condition **2**

Add MT-2 and mix **3**

MT-2
NET 15kg

Loading on truck and carrying away **4**

Use Case ③ Foundation pile construction work

Mud generated by piling **1**

Original mud condition **2**

Add MT-2 and mix **3**

MT-2
NET 15kg

Carrying for temporary storage **4**

No.63

Use Case ④ Harbor dredging work

Whole view of site **1**

Original mud condition **2**

Add MT-3 and mix **3**

MT-3
NET 15kg

Loading on truck and carrying away **4**