

Highly Hydrous Sludge Improving Polymer

TG Polymer D

When improving highly hydrous sludge generated from civil engineering work, or in particular from dredging work and construction of foundations, etc., by using an inorganic solidifier, immediate reform is not possible depending on the water content of the sludge and a large additive amount is required. TG Polymer D is a special polymer that is especially effective on **highly hydrous sludge (water content of 150% or more)** generated from dredging work, and by trapping the water content within the sludge with an addition in a small amount, it quickens the drying of the sludge after improvement and makes immediate improvement possible while rationalizing the amount of the inorganic solidifier that is used.



Features

* **Highly safe**

As TG Polymer D is a neutral product that is nontoxic, there is no worry of pollution occurring after improvement.

* **Effective on highly hydrous sludge**

TG Polymer D is effective on soil that is highly hydrous and is in particular optimal for subjects that are transported using such as a vacuum truck.

* **Capable of reforming soil in a short amount of time**

As TG Polymer D only requires a short amount of time to reform the soil, this enables immediate transport after reformation.

* **Capable of reforming soil with a low additive amount**

TG Polymer D exhibits even greater effects on use of low additive amounts with such as combined use together with an inorganic solidifier.

* **Stability after reformation**

Mud and soil that is reformed with TG Polymer D suppresses fluidity by exhibiting frictional force between soil particles due to the adhesive performance that is an effect of the product.

Usage Instructions of TG Polymer D

After mixing and stirring TG Polymer D with sludge, mix and stir an inorganic solidifier with the sludge. Use of a crumb forming plant is optimal and the highly hydrous sludge will form crumbs after being stirred for approximately 15 – 30 seconds.



Before adding solidifier

After adding TG Polymer D and cement

After 24 hours

Property Specifications of TG Polymer D

Appearance: White powder

pH: 8.0 – 9.0 (0.2% solution)

Bulk specific gravity: 0.8 – 1.0

Packaging: 20 kg bag

800 kg flexible container

10 t tank lorry

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