Low Moisture Sludge Improving Polymer

TG Polymer NEO

Although inorganic solidifiers are used in general when improving sludge that is generated from civil engineering work, or in particular from shielding work, propulsion work, and the construction of foundations, etc., there were the disadvantages of not being able to realize immediate improvement depending on the characteristics of the inorganic product and having to use a great additive amount of the solidifier. TG Polymer D is a special polymer made for use with **low moisture sludge (water content less than 150%)** generated from shielding work, propulsion work, and the construction of foundations, etc., and by trapping the water content within the sludge with an addition in a small amount, it makes immediate improvement possible while rationalizing the amount of the inorganic solidifier that is used.

Features

Reduction of additive amount of solidifier

With sludge primarily consisting of sand, how the water content will be controlled determines the frame for the optimal solidifier. TG Polymer NEO is a special polymer that is compatible with sandy soil due to being treated with special polymer processing and is capable of reducing the additive amounts of conventional solidifiers and improving materials.

Capable of reforming soil in a short amount of time

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

Stability after reformation

TG Polymer NEO suppresses the fluidity between soil particles by reducing the friction between inorganic particles with its adhesive performance which is an effect of the product.

Usage Instructions of TG Polymer NEO

After mixing and stirring TG Polymer NEO 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 NEO and cement

After 24 hours

Property Specifications of TG Polymer NEO

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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