

*Excavated Earth and Sand Improving Solidifier*

# *TG Rock-P*

Muddy soil generated in large volumes from civil engineering sites and in particular from shielding work, construction of foundations, and excavation, etc. has high water content and is fluid. For this reason, handling upon transport of such soil and sand is difficult. TG Rock-P has been made in consideration of such as well as other aspects that lower work efficiency and harm the environment due to the use of inorganic products used on site as conventional solidifiers. TG Rock-P is a neutral macromolecular solidifier that enables soil improvement in a short amount of time with an addition of a small amount. As the pH level of the product is also prepared to be in the neutral range, it is capable of being used for environmentally recycled mud and soil solidifying treatment.

## *Features*

### **\* High safety**

As TG Rock-P has no toxicity and is a neutral product, there is no worry of pollution occurring after reformation.

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

As TG Rock-P requires less time to reform soil than inorganic solidifiers, this eliminates the need for temporary storage space to realize use as an urban civil engineering solidifier that enables direct transport to disposal sites.

### **\* Capable of reforming soil with an addition of a small amount**

As TG Rock-P is capable of reforming soil with an addition of a small amount, there are no worries of various problems seen with conventional inorganic solidifiers such as generation of dust, requirement of product silos, and increase of mass.

### **\* Stability after reformation**

As mud and soil that is reformed with TG Rock-P is in the form of firm crumbs due to the adhesive performance which is an effect of the product, there is no worry of the soil turning back into mud due to the effects of such as rain water and vibrations during transport.

### **\* Drying property of soil/sand after reformation**

As the surface area of mud and soil that is reformed with TG Rock-P increases, the soil becomes quicker to dry compared to the mud/soil before reformation.

## *Usage Instructions of TG Rock-P*

Add TG Rock-P to the mud or soil and then mix and stir. Be sure to thoroughly stir as the reforming effect will be lowered when stirring is insufficient. Although performance will vary depending on the water content or quality, etc. of the mud or soil, by using a mixing and stirring facility, it will be possible to reform the mud or soil in approximately 30 seconds.



Before adding TG Rock-P  
Mini slump value: 10 cm



After adding TG Rock-P 1.5 kg/m<sup>3</sup>  
Mini slump value: 0 cm

## *Property Specifications of TG Rock-P*

**Appearance: White powder**

\* **Burnt particles and black grains may be mixed in the product. These are due to the nature of how the product is manufactured and will not cause problems with quality or performance.**

**pH: 6.0 – 8.0 (0.1% aqueous solution)**

**Bulk specific gravity: 0.6 – 0.9**

**Packaging: 20 kg bag, 1 t flexible container, 10 t tank lorry**

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