

【 High-powered Neutral Improving Agent for Soil 】

J C D K - 1

Top Green DK-1

~ a soil improving agent made up of eco-friendly raw materials ~



■ effects of usage ■

- ◇ water-retaining, stable fertilizing effect, aeration,
- ◇ prevention of wet soil flowing, heavy metal block, vegetation promotion

■ usage plans according to application ■

- ◇ lakes, rivers, sludge/pollution treatment at sea
- ◇ re-usage of dredged soil, early stage disposal
- ◇ worksite temporary road, subgrade, roadbed improvement soil improvement for residential land development,
- ◇ eel nurturing lakes, soil treatment of polluted sludge volume on lotus ponds parks, pavement structure
- ◇ human waste mud disposal, solidification treatment of oil mud
- ◇ soil improvement at golf courses
- ◇ treatment of industrial waste such as bentonite



■ characteristics of a soil improving agent

- ◇ Regardless of organic or inorganic, soil treatment can be done (solidified) swiftly.
- ◇ Treatment of polluted sludge with high moisture content can be done (solidified) swiftly.
- ◇ Additive amount of improvement agent being low, as much as 3 to 5 kg per every m³
- ◇ Improvement agent is neutral with no cement or lime, and has no effect on the plants.
- ◇ Elimination of bad smell and containment of harmful materials like heavy metal.
- ◇ Improved (solidified) soil doesn't dissolve in water, and helps prevent mudflow in typhoon or rain.
- ◇ Improved (solidified) soil has high water-retaining and fertilizer-friendly characteristics.
- ◇ No secondary environmental pollution, and can be re-used as landfill.
- ◇ After improvement it maintains its improved qualities and blends with existing soil.
- ◇ After improvement, it can be used as surplus earth.
- ◇ Dredged soil can be instantly treated and can be improved into a soil without causing re-elution.

■ additive amount

Addition rate	sample water content				
	70% %	100%	120%	150%	200%
0.05%	○	△	×	×	×
0.10%	○	○	△	△	×
0.15%	○	○	○	○	△
0.20%	○	○	○	○	○
0.30%	○	○	○	○	○

○ : solidification – fast, solidified soil hardness - hard, hydro-solubility - good

△ : solidification – slow, solidified soil hardness - medium, hydro-solubility - medium

× : solidification – none, solidified soil hardness - flux, hydro-solubility - soluble



Improved soil
(aggregate structure)



Condition of plant growth
using improved soil



Condition of plant growth
using dredge improved soil

Manufacturer - Retailer: J & C Corporation

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