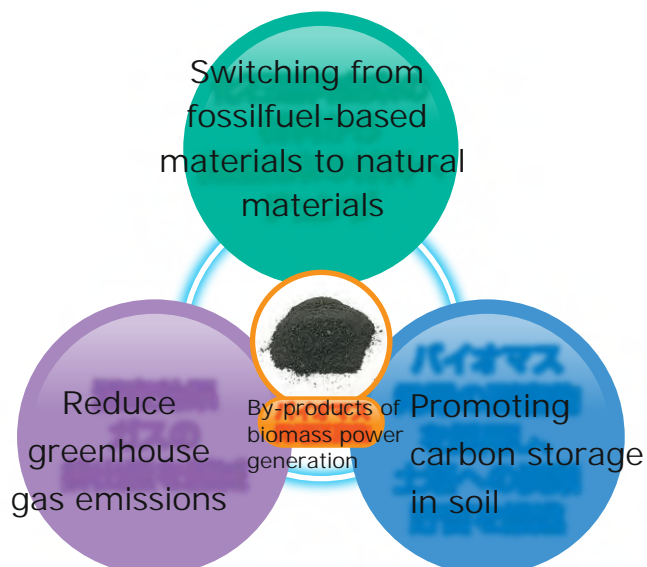


Environmentally friendly earthing enhancing compounds produced by biomass power generation



New product with earthing enhancing compounds to realize carbon neutral !

Environmentally friendly earthing enhancing compounds **BIO SAN-EARTH**



In grounding work, when a grounding electrode is buried in the soil to obtain a grounding resistance value, it is the earthing enhancing compounds to further reduce the resistance value. Carbon materials used in conventional products are refined from fossil fuels, resulting in CO₂ during the manufacturing process.

The new product we have developed is BIO SAN-EARTH. Carbon-based materials used for BIO SAN-EARTH are by-products of biomass power generation and have no concomitant CO₂ emissions. This environmentally-friendly material for reducing grounding resistance is switched from fossil fuel-derived material to naturally-derived material.

Furthermore, if biomass materials are left alone, the CO₂ absorbed through decomposition by microorganisms will be released into the atmosphere, but by carbonizing the material through biomass power generation and mixing it into earthing enhancing compounds, it is possible to fix the CO₂ inside the material. This has resulted in a next-generation ground resistance reduction material that combines ground resistance reduction effects with environmental friendliness.



Features



It can store 9.6kg of **CO₂**, which causes global warming in the soil

The amount of CO₂ stored per bag calculated by the carbon-storage calculation formula.
CO₂ emissions of cements and CO₂ emissions related to production are excluded.

6kg lighter than conventional products

SAN-EARTH M5C: 1 bag 25kg, BIO SAN-EARTH: 1 bag 19kg.

Construction length per bag does not change, and strip construction is about 3m (drilling width 0.5m). Reducing the burden of transportation and construction.



Same effect of reducing grounding resistance as conventional products

Ground resistance value for 3m horizontal method: SAN-EARTH M5C is 73 Ω, BIO SAN-EARTH is 59 Ω. *Results of buried test at our testing site.

How to use (for horizontal method)



① Drill trenches and lay grounding wires



② Laying BIO SAN-EARTH (1 bag: 3m)

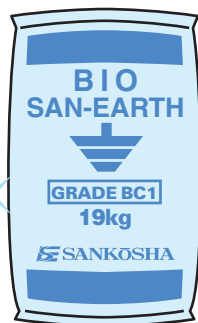
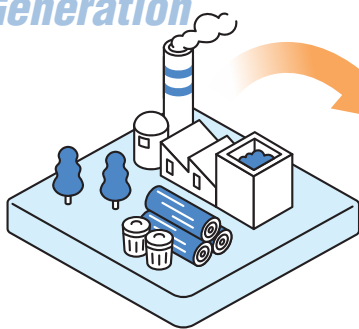


③ Shape BIO SAN-EARTH



④ Backfill

Biomass Power Generation



Specification

Item	Specification
Composition	By-products of biomass power generation, Cement
Resistivity	0.5Ω・m or less Compliant with IEC62561-7
Packing Weight	1 bag: 19kg

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このカタログの記載内容は2024年5月現在のものです。