



Company Profile

- *Inorganic Flocculant powder*
- *Soil improvement agent*



- *Mud solidification materials*
- *Development for environmental products*

Our excellent technique and developmental power for the earth environment

Our company promise you these items

① **We advise and help to develop for the environmental concerns.**

For example, the blocks for rooftop gardening, permeable and water-holding pavement, slope stiffener, adsorbent, deodorant and others.

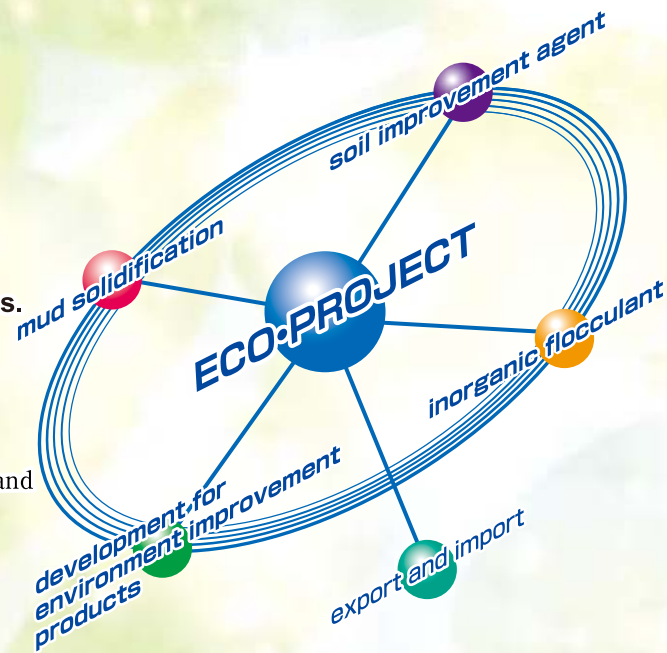
② **We supply developed products by new idea.**

For example, weed regulant, sport ground improved material, blown sand protectant, mud solidification, inorganic aggregation powder, and others.

③ **We value a committed relationship between you and my company .**

We import and export by international network.

For example, raw materials import, technology export., others.



The recycle product of excellent water retention ability and fertilizer retention ability.

Galleonite HK®

Galleonite HK was used for soil improvement agent at Nakajho-Chukaku Industrial Park(Niigata-Ken,Japan) by method of blown sand protectant and it was very useful. It was made by byproduct of manufacturing acid clay. It is light, good water-holding and good fertilizer retention ability. It has high economic efficiency and safety. It contains almost nature materials and is used to sport ground improved material, slope stiffener and others. Various uses as recycle products.

Galleonite HK/shape stable test in water.



The state after 72 hour's dipping in water.



sport ground/clay surfaced pavement



weed control method



road slope construction



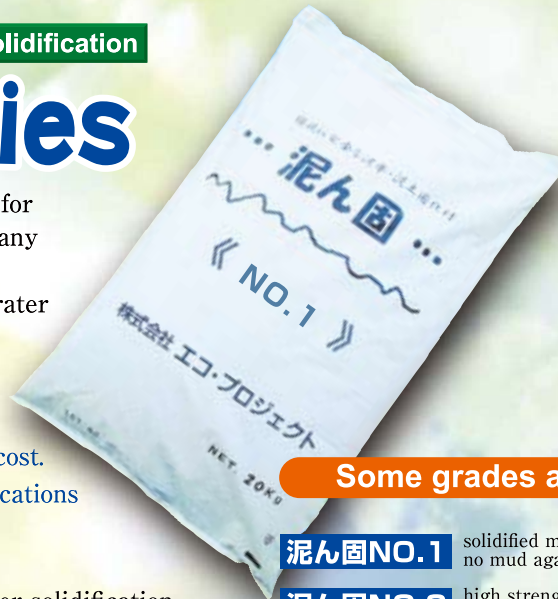
We receive high evaluations from users.

Inorganic solidification

Doronnko series

Our inorganic solidifications(Doronnko-series) are safe for environment and show high solidification ability for many kinds of soil,mud and mud water from construction . Solidification by Doronnko series do not need a dehydrater and can solidify within minutes by a mixer.

- Doronnko series can solidify and granulate speedily for highwater content mud and mud water.
- Doronnko series is easy to use in situ and is very low cost.
- The solidified mud by Doronnko series has many applications for recycle use.



Some grades as usage

- 泥ん固NO.1** solidified mud is used in planting, no mud again.neutral solidification.
- 泥ん固NO.3** high strength solidified mud for banking roadbed and river bank.
- 泥ん固NCR** solidification for heavy metals.
- 泥ん固AC-2** acid solidification and use for heavy metal solidification.,
- 泥ん固NK-2** neutral solidification for agriculture(high strength mud, speedy solidification)

Before mud solidification



Shortly after addition of Doronnko



After solidification



20kg in PE bag ,1 ton in flexible container bag and bulk packaging.

Floc Site changes polluted water to clarified water/by inorganic powder flocculant.

Floc Site

- Floc Site exercise good flocculation abilities for muddy water treatment of dams and tunnels construction, regulation pond and gravel pit.
- Floc Site has fast flocculation abilities and fast sedimentation property and good work efficiency.

Floc Site /coagulating sedimentation



20kg in PE bag



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Company profile

- Company name/ECO · PROJECT INC.
- Company formation/April . 1. 2000
- Company with a 24 million yen in capital
- President/Masao Takahashi
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Business outline

- manufacture and sales for series of Doronnko solidification
- manufacture and sales for Floc Site flocculation
- Sale for Galleonite HK,soil improve agent(ordering)
- manufacture , sales and developoment for clay surfaced pavement and sport ground
- manufacture , sales and developoment for enviromental products and others

Products

- series of Doronnko solidification for mud (NO.1,NO.3,EPX,NCR,AC-2,NK-2,AC-305)
- Soil improvement agent , Galleonite
- Inorganic flocculant powder ,Floc Site(HP-6,HP-30,EP-3,U-7)
- series of active carbon(sales agency for Norit Japan)
- Others,environmental products

The full view of ECO · PROJECT INC.



The USE of FLOCSITE U—7



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1) The use of FLOCSITE U—7(flocculants)

Add powder FLOCSITE U—7 in specified quantity to polluted water, then mix strongly.

If the state of mixing is better, the reaction will be end within 1 to 3 minute and we get the big size flocculation.

We change the added weight by the state of polluted water.

Usually, we use 200g to 1000g(FLOCSITE U—7) in 1 m³(or 1 ton) of polluted water and it's content will be 200ppm to 1000ppm.

If the content of suspended solids is higher than the above, we use more FLOCSITE U—7.

In this flocculation mechanism, the plus charge substance in FLOCSITE U—7 catch the minus charge of suspended particles, then this flocculated particles will be bigger in a moment and their particles will change bigger.

After we stop the mixing, the flocculated particles precipitate and we get the clear layer in water and the PH of this water is neutral.

When we preserve this clear water, we can add Ozone or sodium hypochlorite to this water for sterilization and can store for long periods.

2) The Uses

Our flocculants can use for polluted water from construction works and dredging operations. It can purify the water of river, lake and marsh.

Fundamentally our flocculants can be use for the suspended solids under 3% (g/100ml) contents.







This treated water is judged by water quality standard in public area whether it can be used for the breeding of fish or domestic animal's drinking water.

3) The characteristics

- ① we can do flocculation by one kind of powder FLOCSITE U—7.
- ② The flocculation speed is very high and we can design the small size plant.
- ③ The floc is stable and strong, then it does not break easily.
- ④ We can get the few suspended solids in clear layer of water and discharge water because of neutral after FLOCSITE U—7 treatment.
- ⑤ It is easy for dehydration and we can get the hard cakes after FLOCSITE U—7 treatment.
- ⑥ FLOCSITE U—7 consists of natural components and it is safe flocculation.

The end

Flocculation Test Flocculation : FLOCSITE U-7B
Prepared muddy water of suspended solid (SS=9950mg/L) using well drilling
Flocculation state after addition of FLOCSITE U-7B

	U-7B additive rate=200mg/L	U-7B additive rate=400mg/L
after 10sec		
after 20sec		
after 40sec		
after 60sec	