

# Pre-Mixing (PREM) Method

The Pre-Mixing Method aims to prepare a stable ground in a pre-sequence by adding cement and anti-separation agent to sand and mixed while processing them as a treated soil and directly conveyed to reclamation area as fill materials. Treated soil from this method is effective on reclaimed ground as protection from liquefaction and scouring as well as reduce earth pressure.

## Features

- ★ Minimize water turbidity since the treated soil is containing anti-separation agent and maintains water quality in friendly environment.
- ★ Employs belt conveyor mixing system for reclamation work in an extensive area
- ★ Decreases the effect of earth pressure allowing to reduce the size and weight of quaywall structures, etc.

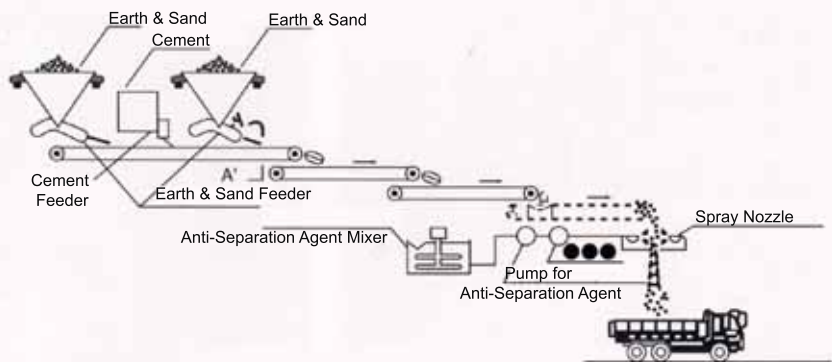
### Working Procedure



### Equipment to be Used



Work in progress (Solidifier Plant and Conveyance System)



Process System (Belt Conveyor Mixing System)

### Completed Projects Record

Project Name	Duration	Project Site	Client	Objective	Volume of Improved Soil	Strength after Improvement
Tokyo Bay Crosscut, Kisarazu Artificial Island Improvement Fill Work	92.6~93.3	Tokyo Bay	Tokyo-Wan Odandoro K.K.	Fill material for artificial island	425,000m <sup>3</sup>	qu=400kN/m <sup>2</sup>
RI Quaywall Remedial Work	95.9~96.10	Kobe	Transport Ministry	To reduce earth pressure on quaywall	10,700m <sup>3</sup>	qu=170kN/m <sup>2</sup>