

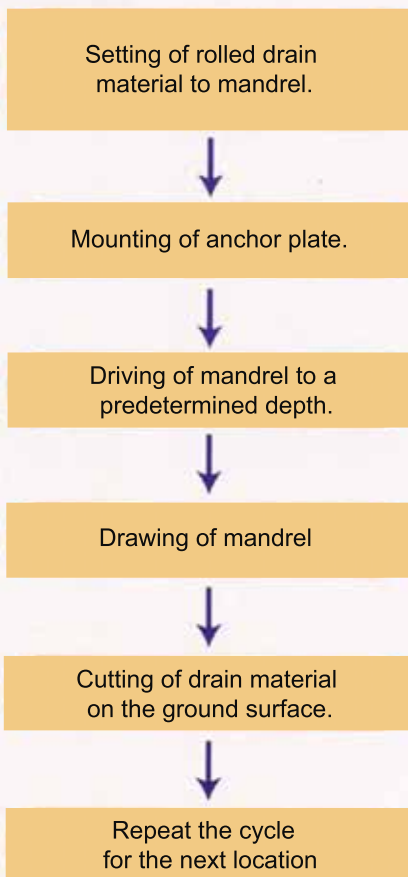
Plastic Board Drain Method

The Plastic Board Drain Method is one of perpendicular drain methods using a composite material (PBD material) made of synthetic resin and felt. The PBD material is highly adaptable to consolidation settlement, thus it is more suitable for improving soft ground with high moisture content.

Features

- ★ Higher performance efficiency due to continuous driving operation by smaller machine
- ★ PBD material has a high permeability ($k=10^0 - 10^{-1}$ cm/sec.)
- ★ Low noise and vibration construction due to only drilling for PBD material installation involves

Working Procedure



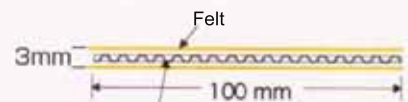
Equipment to be Used



Drain Material Driving



Drain Material
(100mm in width and 3mm in thickness)



Core Material (Synthetic Resin)

Drain Material Section
(Example)

Completed Projects Record

Project Name	Duration	Project Site	Client	Objective	Drain Length / Depth / Earth Volume
Otake Port Ground Improvement	92.5~93.3	Hiroshima	Hiroshima Prefecture	Consolidation acceleration and increase ground strength	71,000m / 10.5m / 143,200m ³
Tokyo Airport Ground Improvement Work	92.4~94.10	Tokyo	Transport Ministry	Consolidation acceleration and increase ground strength	1,362,000m / 12.5m / 1,362,200m ³
Kitakyushu City Kamikuzuhara Site Preparation	97.6~99.5	Kita-Kyushu	Kamikuzuhara Land Readjustment Association	Consolidation acceleration and increase ground strength	130,000m / 4.5m / 130,000m ³
Maya Quaywall Ground Improvement Work	97.8~97.11	Kobe	Kobe Port Welfare Service Association	Consolidation acceleration and increase ground strength	362,000m / 12.7m / 288,300m ³