



Two component PU Grouting

Region	Rajsthan (India)
Type	PU Injection
Main Contractor	Navayuga Engineering Company Limited
Execution of the work	Renesco India Private Limited
Construction Period	2016

Project Description

Grouting with polyurethane resins provides a very effective method of improvement of mechanical and sealing properties of soils and rocks. One of the most vital attributes of polyurethanes is their ability to turn into foam when in contact with water. Polyurethane grout functions in three ways: Firstly, it forms a chemical bond with the concrete surface area; secondly, it reacts swiftly with water to form an expanding foam, thus creating a mechanical anchor by entering the pores and voids; and thirdly, by expanding, it forms a compression seal within the cracks, joints, or voids to act as a water stop.

Scope of work

- Water stopping injection in rock surface and concrete structure.
- Drilling holes, placing of packers, pumping of 2 component polyurethane injections

Quantity:

Polyurethane Material : 10 Tonne

