



SPECTRA SOUTH

Grouting and Injection Profile





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Services:

Condition and Structural Appraisal

Shoring of Excavations

Soil Nailing

Concrete Repair

Resin Injection

Chemical Grouting

Protection of Slopes

Probing and Grouting

Dam Maintenance

Tile Anchors

Coring



Condition Survey and Structural Appraisal

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Concerned with establishing the strength of an existing structure and reporting on its safety and its fitness for a given purpose. Such an appraisal may become necessary for one or more of the following reasons:

- The Client is contemplating a change of use for the structure. -The structure has suffered accidental damage due to fire, impact, or other forces.
- The structure shows signs of distress under normal usage. -Deterioration of certain elements is suspected due to age, service conditions, or inadequate maintenance





Shoring of Excavations

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- Form of prop or support, usually temporary, that is used during the repair or original construction of buildings and in excavations.
- Such as underpinning, bracing, and shoring that provide support to an adjacent structure or underground installation or to the sides of an excavation or trench.



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Soil Nailing

- Construction remedial measure to treat unstable natural soil slopes or as a construction technique that allows the safe over-steepening of new or existing soil slopes.
- Technique used to reinforce and strengthen existing ground. Soil nailing consists of installing closely spaced bars into a slope or excavation as construction proceeds from top down.
- It is an effective and economical method of constructing retaining wall for excavation support, support of hill cuts, bridge abutments and high ways. This process is effective in cohesive soil, broken rock, shale or fixed face conditions.

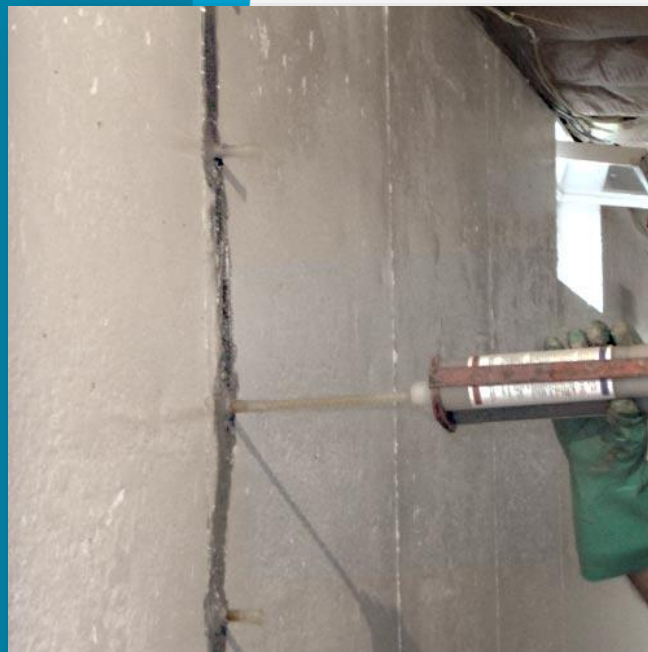




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Resin Injection

- We process with professional and ethical procedures with tools / equipment that are designed for injecting cracks in concrete and masonry where there is a need to consolidate a structure or exclude water and air from contact with reinforcement with the best outcomes.

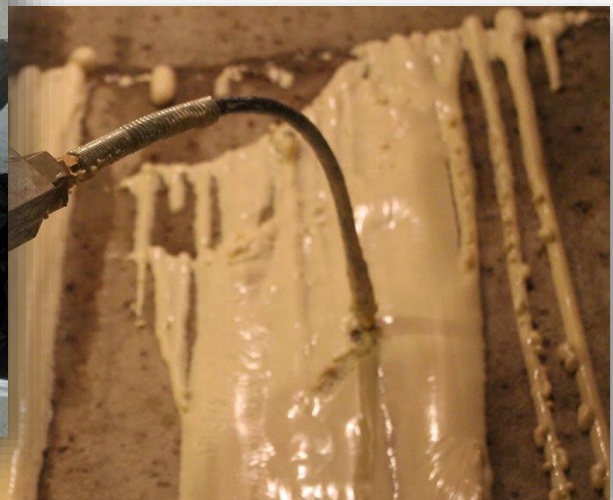
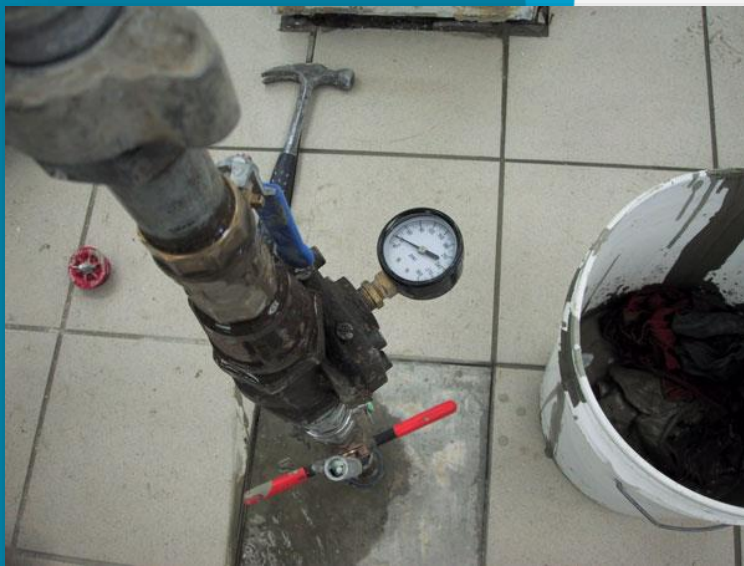




Chemical Grouting

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- The process of grout into soft or weak strata of soil or voids. This grout fills these voids, thus stabilizing and strengthening the soil.
- The purpose is to control the amount of grout going into the pipe. As the process is repeated at additional elevations, the soil is compacted.





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Protection of Slopes

- The purpose of a retaining structure is to provide stability against sliding or failure and protection against scour and erosion of a slope, or the toe or cut face. The typical retaining structure on forest roads is a gravity retaining wall which resists earth pressure by the force of its own weight.





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Dam Maintenance

- A barrier that protects the foundation of a dam from seepage and can be made during initial construction or during repair. Additionally, they can be used to strengthen foundations and contain spills.
- Also Maintaining the Dam through Grouting to strengthen and make it last longer



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Coring

- A core sample is a cylindrical section of (usually) a naturally occurring substance. Most core samples are obtained by drilling with special drills into the substance, for example sediment or rock, with a hollow steel tube called a core drill. The hole made for the core sample is called the "core boring".
- Special tools and machines for coring we provide pin point testing with the cores.

