

Soil Cement Stabilization



Your one stop shop for all of your stabilization needs -
Enhance your infrastructure with proven reliability from BR

Soil Cement Stabilization is a cost-effective and environmentally friendly method designed to strengthen and stabilize soil, thus, creating a durable foundation to increase the longevity of pavement. The process of combining cement product into the subsoil and then reclaiming the aggregate base to mix everything together produces a robust and resilient base material.



What is the process?

Cement soil stabilization is a process used to enhance the strength and durability of soil, creating a stable base for paving asphalt. It begins by selecting the appropriate type of soil and mixing it with cement, which acts as a binding agent. When the cement is combined with the soil, it forms a cohesive and stable mixture. This mixture is then spread out and compacted to increase its density and strength. After compaction, the stabilized soil is allowed to cure, hardening over time. The resulting base layer is strong and resilient, providing an ideal surface for paving asphalt over, ensuring the pavement remains stable, durable, and capable of withstanding traffic and environmental conditions.

Technical Specifications:

1. Composition: Soil, cement, and aggregate base are mixed together to achieve desired stability
2. Mix Design: Tailored to project requirements with control over soil-cement ratios
3. Curing Time: Typically quick, with substantial strength within a few days
4. Load-Bearing Capacity: Can support substantial loads, making it an ideal process for heavy traffic areas

Why Choose Soil Cement Stabilization?

Stabilization provides 3 significant benefits to projects. Cost effective in the fact that there is no removal or replacement of traditional sub-cut materials. Time saving in the minimal mellowing period (if any). Long-term solution due to reducing soil's susceptibility to moisture.

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