Innovative soil stabilization system

Building a hydrophobic layer of a specified bearing capacity

►This method is unique because this solution is universal thus making it possible to stabilize any types of soil available on the site and free of organic inclusions by activating their own natural properties.

►The stabilized layer only gains additional strength during operation. The higher is the load, the stronger it becomes.

The stabilization process results in an absolutely hydrophobic layer with the specified strength characteristics which remain unchanged during rainy seasons and are not affected by the nearby groundwater.

Application of this technology is most effective in rehabilitation and construction of automobile and railway roads, parking space, container terminals, airfields, routes for heavy vehicles, including tracked ones, as well as for useful, eco-friendly disposal of residual garbage of demolished buildings and structures, mineral construction waste, which, upon enrichment with stabilizers, are reused as a bearing layer on the transport infrastructures sites.

Presentation:

Main characteristics:

- Sands:
  - Strength limit during compression of stabilized capillary-and-watersaturated soil samples, MPa: More than 0.2
  - Strength limit during compression of stabilized water-saturated soil samples, MPa: More than 0.1
  - Other soils:
  - Strength limit during compression of stabilized capillary-and-watersaturated soil samples, MPa: More than 0.5
  - Strength limit during compression of stabilized water-saturated soil samples, MPa: More than 0.3

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