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Biocalcis®

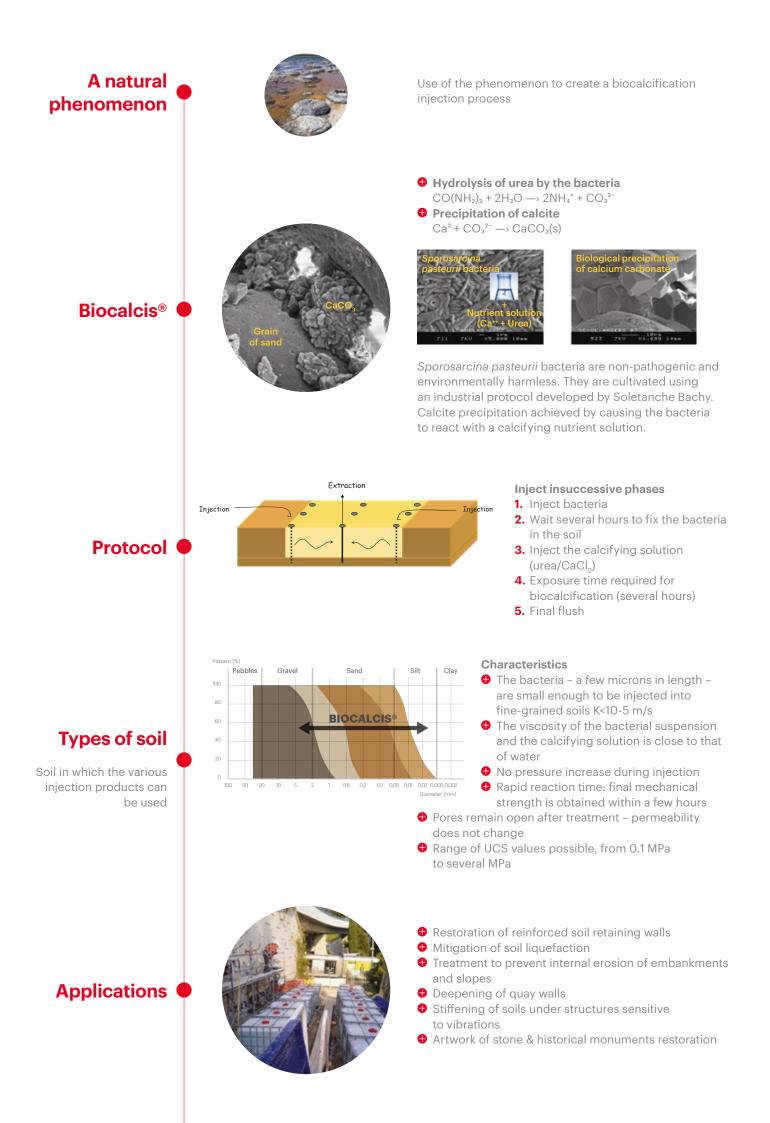
Soil consolidation by biocalcification



This innovative biotechnology emulates natural calcification processes to cement soil in situ while maintaining its initial porosity.

- A number of bacteria present in the natural environment are known to precipitate a variety of calcium carbonate minerals that build up over centuries to form calcareous concretions with excellent mechanical properties. A representative and spectacular example of this phenomenon is the formation of stromatolites in shallow high-saline water in Australia.
- These observations suggested the idea of using biomimicry of these biogeochemical reactions to improve the soil via in-situ biocalcification.





Build on us



Soletanche Bachy is a world leader in foundations and soil technologies, operating in 60 countries via a network of 80 subsidiaries and branches. The Group delivers the full range of geotechnical processes and provides innovative, effective solutions as either a lead or specialist contractor for turnkey projects with a geotechnical focus or specialist works.



280 avenue Napoléon Bonaparte 92500 Rueil-Malmaison – France Tel: +33 (0)1 47 76 42 62

www.soletanche-bachy.com