



A few references.....



Major highways and airport structural sections (USA and Europe)
Proviacal® ST, Proviacal® RD, Proviacal® SL



Building high-speed train rail tracks (F, BNL) and modernising existing lines (BNL, CZ)
Proviacal® ST, Proviacal® RD



Dry recycling of trench spoil (F, BNL)
Proviacal® DS, Proviacal® RD

Liquid recycling of trench spoil (D, CZ)
Proviacal® LS, Proviacal® RD

Tunnel mortar (NL, F)
Proviacal® SP, Proviacal® H



Dyke consolidation (CZ)
Proviacal® ST

On-site treatment of dry clay-like soils (USA, F)
Proviacal® SL40 and Porta-Batch®

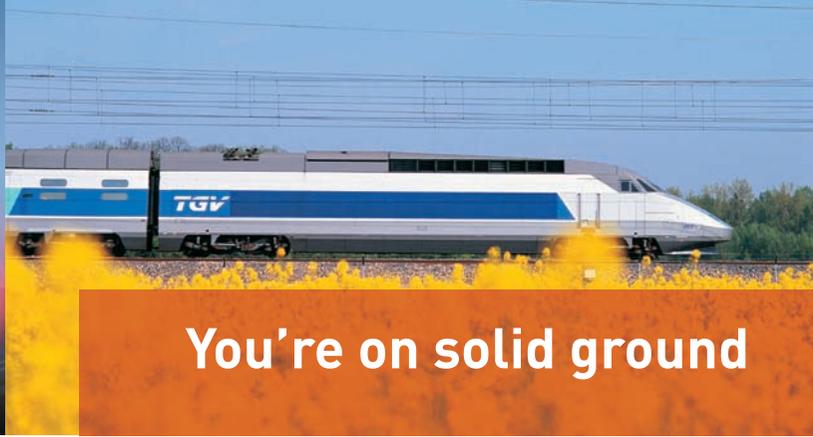
Improvement of marginal quarry products
Proviacal® DS, Proviacal® SL

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Your local contact is on:
+33 1 53 45 53 45
+44 1298 768 666
+45 56 76 35 00
www.proviacal.com
proviacal@lhoist.com

You're on solid ground



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Your challenge

During the course of a civil engineering project, the need to meet deadlines, to adhere to stringent regulations, and to save costs may lead you to ask yourself questions like:

How can I reuse soils from site excavations?

How can I improve the performance of expansive soils?

How can I treat soils in major metropolitan or environmentally protected areas?

How can I upgrade existing infrastructures (rail, road) while minimising the impact on traffic?

How can I improve the performance of tunnel mortars?

How can I extend the service life of trenches?

Do I need to stabilise embankments of dry soils and, if so, how?

How can I improve working conditions on the site?

Lhoist Calci-action® is a complete solution combining:

- **the Proviacal® treatments best suited to your requirements**
- **Lhoist technical expertise and engineering services:**
 - soil audit and analysis
 - technical recommendations
 - comparison of available solutions
 - advice on what equipment to choose and how to use it
 - predictable mechanical performance
 - foreseeable impact on the work's progress
- **access to references worldwide and to Lhoist's technical databases**
- **Lhoist product and logistics services**
 - low and high-volume deliveries
 - reliability of supply
 - availability of a flexible delivery schedule
 - real-time tracking and tracing of deliveries
 - just-in-time site deliveries
 - equipment for reagent storage and on-site production
 - recommended qualified Proviacal® contractors

Your advantages

Calci-action® provides complete solutions, from problem analysis through to just-in-time deliveries.

Calci-action® is immediately operational as proved by numerous successful civil engineering references across the world.

Calci-action® enables you to reach the best performance / cost ratio for your sites.

Calci-action® makes the management of your project simple and trouble-free.

Calci-action® provides you with personalised support and gives you access to Lhoist's worldwide expertise.

Calci-action® guarantees that you will always be able to take advantage of the latest developments and innovations in soil-treatment technology as it relates to your projects.