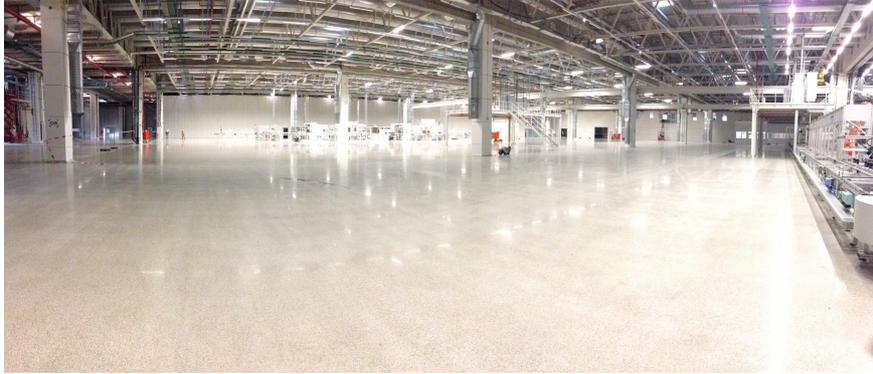


PRODUCT: **NanoSil**



## DESCRIPTION

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**NanoSil** uses new and exclusive lithium chemistry to make the best concrete densifier available today. Concrete is exposed to harsh chemical, mechanical, and atmospheric elements that can cause the concrete to deteriorate.

**NanoSil** penetrates into the substrate where it reacts with weak calcium hydroxide to form stronger and more stable tricalcium silicate hydrate. The lithium component is also effective in mitigating and preventing damaging alkali-silica reactions.

## ENFORCEMENTS

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- **ASR Protection** **NanoSil** is the only chemical hardener that can help mitigate and prevent damaging alkali-silica reactions (ASR) in concrete. ASR is a worldwide problem that occurs when the alkali in the large and fine aggregates react with the silica in the cement and with water to form an expansive gel which can break concrete apart. Other chemical hardeners use potassium or sodium compounds, which can raise alkalinity and contribute to ASR. **NanoSil** uses exclusive lithium technology that does not contribute to the alkalinity and can even help prevent ASR.

- **Sealing** As **NanoSil** penetrates the micro-channels in concrete, it reacts to form insoluble silicate structures that seal the concrete. This helps protect the concrete from water penetration and makes it more resistant to many types of chemicals. It also leaves a sheen on the floor that is much easier to maintain.



- **Hardening NanoSil** hardens the concrete making it stronger and more abrasion resistant. It also dust proofs the concrete, so particles of concrete will not circulate within a building creating a health and maintenance problem.
- **Environmentally Safe NanoSil** contains no harmful VOC's, carcinogens, or toxic vapors. Application is fast and the floor is ready to use within hours.
- **Economical NanoSil** is much less expensive than urethanes and epoxy coatings, and much more durable. Epoxies and Urethanes need to be stripped and reapplied every 3-5 years, at great expense. **NanoSil** will not peel, tear, or wear off--one application is all that is needed.

Applications are only done by carefully trained and certified contractors who do quality work. Please contact [greatsolutions@great-s.com](mailto:greatsolutions@great-s.com) for more information.

