

# MiraGard NanoGlass

## Extend Service Life and Safeguard Pool Plaster, Exposed Quartz, and Pebble Finishes

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NanoGlass is a clear, single component, water-based, lithium-fortified potassium colloidal silicate cure and seal compound that integrally waterproofs and densifies new and existing pool and spa plaster finishes. Based on superior inorganic mineral technology, Nano Glass is also suitable for other cementitious materials such as concrete, mortars and masonry.

### Advantages:

- Potassium/Lithium Silicate Blend
- Superior Performance vs Sodium
- 90%+ reduction of plaster dusting with Quartz and Pebble finishes
- Converts  $\text{Ca}(\text{OH})_2$  into CSH
- Significantly Densifies Plaster
- 81% Water Absorption Reduction
- Balances Water to Plaster Chemistry
- Reduce Color-loss, Nodules, Etching



### Where to use:

- Pool & Spa Plaster
- New & Existing Plaster Finishes
- Marcite & Polished Plaster
- Exposed Quartz & Pebble Finishes

### Applications:

- Exposed White or Colored Quartz or Pebble Finish
- Polished White or Colored Finish
- Smooth Troweled Colored Plaster or Colored Smooth Troweled Quartz Finish
- Smooth Troweled White Plaster or Non-Exposed White Quartz Finish



### New Pool Finishes:

It engages with and fortifies the fresh plaster, swiftly and enduringly diminishing the chemical reactions between the water and the cement material within the interior finish. The bothersome "dusting" commonly associated with new plaster finishes is nearly eradicated.

### Existing Pool Finishes:

Your acid wash will restore the former beauty of the old plaster, and the NanoGlass will fortify, shield, and prolong the life of that plaster, mirroring its benefits for new plaster



West Coast: 310.631.6594

Central: 210-888-0449

East Coast: 908.245.2808

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## Why it works:

The interaction between pool plaster and pool water is ongoing. Ensuring a consistent pH and total alkalinity within a safe range is widely recognized as crucial for safeguarding not only your pool plaster but also various components of your swimming pool. Similarly, it's common knowledge that when water chemistry goes awry, your pool plaster may incur damage or exhibit undesirable behavior.

By significantly reducing the calcium hydroxide and effectively filling the voids and capillaries with Nano Glass, the application significantly reduces chemical interactions between the plaster and pool water.

## Maintenance

NanoGlass will streamline your pool maintenance, virtually eliminating pH fluctuations related to the plaster. Additionally, many pool contractors note a decrease in overall chemical usage.

## MiraGard NanoGlass versus sodium-based silicates?

- **Deeper Penetration** (*Potassium/Lithium is much smaller silicate Molecule versus Sodium*)
- **Quicker Reaction and Cure Time** (*higher lubricity, tear drop shape*)
- **Harder and Higher Durability** (*Reaction product of Potassium silicate with the plaster is more soluble than that of sodium silicate, facilitating a better reaction with plaster components*)
- **Improved Aesthetic Finish** (*Due to potassium/lithium silicates ability to provide a denser, more durable surface with less calcium hydroxide, this contributes to a more aesthetically pleasing finish for plaster surfaces*)



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