



Be Amazed at how little it took to get such a Fabulous Look!

## **What is Reactive Colloidal Silica and Why Is It Better for Concrete?**

Reactive Colloidal Silica – nano-sized particles in an aqueous suspension is 99.5% pure silica suspended in an ultra-low surface tension liquid.

The 5-nanometer particles in their low-viscosity suspension penetrate quickly, deeply, and cleanly into concrete. They react very efficiently with lime in concrete making them far more reactive than conventional silicate densifiers.

These reactions form cementitious compounds in the concrete's pores that harden and densify the surface with less wait and less waste, making them able to take a diamond polish.

**Reactive Colloidal Silica also bonds to itself, a property not found in any silicate Densifier.** It allows Reactive Colloidal Silica to build up more density in the surface. It enables Lythic Densifier to bond to specialty cementitious products where silicates fail to react.

Recently introduced self-levelling cementitious overlays are not made from **ordinary portland cement** (OPC) and do not have the high lime content that Densifiers usually react with.

A major distinction between Lythic reactive silica and silicate/siliconate products is that they **require calcium hydroxide to trigger a reaction**. Reactive silica does **not** need this component in order to react.

Reactive Colloidal Silica nano-particles mean increased speed, economy, uniformity, density, sustainability and safety.

**Lythic Densifier with Reactive Colloidal Silica is the next step beyond silicate Densifiers.**

[www.concretesealers.co.nz](http://www.concretesealers.co.nz)