



Concrete Refinement Products

## Applicator Tips

# NailHard

Colloidal silica densification using nano particles, size 7. The fine, consistent purity of these nano particles instantly reacts not only to the surface of the substrate but deep within due to the minute particulate size. Being colloidal silica, no excess mineral deposits are left on the surface. Densification can be built upon itself with multiple applications. Also, new pour DustProofing using Delosh's Pre-Wet Procedure is available for new slabs.

NailHard can be applied to a fully dry or saturated (but not puddled substrate).

A pre-wet, saturated substrate will increase densification depth:

-Keep surface puddled with water for as long as feasible to project budget & timeline. Even fifteen minutes water pre-wet time will aid in densification depth. 1 Hour is ideal.

-Once pre-wet is decided complete, use an autoscrubber to pick-up the surface water. Immediately apply the NailHard (sprayer and flat mop) to the damp but not puddled surface.

**Multiple Applications of NailHard During the Concrete Polishing Process Build Upon Themselves. Take the Time to Re-apply & Fully Refine for Incomparable Final Results.**

***The concept of Pre-Wet is post the action of autoscrubbing up the puddled water, the immediately applied NailHard is naturally pulled deep into the slab. The depth of the densification achieved is reflective to the concrete's density, Pre-Wet dwell time and application method.***

**Over-application:** Colloidal Silica densifiers do not risk hard to remove mineral deposits and surface staining due to excessive application. They do have a pro & con to each:

Benefit	Over-application of NailHard	Drawback
+ Excessive surface gelling of product creates lubrication for further wet honing when utilized immediately.		- Surface gelling is the colloidal silica reacting to itself for two reasons; either over-application not allowing material to penetrate or slab is highly refined, dense and is reducing allowance of further colloidal silica.

The gelled Colloidal Silica NailHard atop the surface is excess densifier reacting upon itself as it is not finding it's way into the slab. The best use of this format is to immediately wet hone atop the gelled material which in turn will produce a higher refinement due to the lubrication for the honing tool. **Gelled NailHard can be left to dry atop the slab at no negative impact to the rest of the polishing process.**

**Gelling is not a negative in itself, merely prolonging the time in which it takes the surface to gel should be the goal when not intentionally over-applying.**

Apply the product in a heavy spray and immediately flat mop to create an even, wet but not puddled surface. A 10-15 minute surface wet time is an ideal densification window. Gelling may happen anywhere from instant to not at all. Some highly dense slabs may gel immediately. These are best handled with multiple thin applications of NailHard.

### Further Operations Questions?

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