



Concrete Refinement Products

# Nail Hard

## PRODUCT DESCRIPTION | NAIL HARD

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 also be built upon itself with multiple applications. Also new pour DustProofing using Delosh's Pre-Wet Procedure.

## BENEFITS

- Forms a permanent bond
- Dust-Proofs the surface
- Increases Surface Abrasion
- Decreases Permeability
- VOC compliant
- Easier to use than Sodium Silicates
- No Rinsing/Reclaiming Required
- No chemical waste to dispose of
- Gelling Effect for Wet Honing

Application:	Sprayer & Microfiber
Appearance:	Odorless, transparent liquid
VOC:	0 g/L
Shelf life:	1 year after opening
Solvent:	Water based

## USE & APPLICATION

**Coverage Rate**  
600 to 800 SF per gallon

## DENSIFIER APPLICATION

NailHard can be used on new slabs as a longterm dustproofing treatment or in diamond polishing operations. NailHard should not be applied prior to the first transitional diamond in polishing operations. On softer, more porous slabs- pretreat slab post metals with Delosh DenseCut.

### DustProofing Application: THIS PROCESS PERFORMED 2X

Fully mechanically scrub & clean the new concrete. Pre-Wet the slab prior to application: Using facility water, heavily soak the slab maintaining a puddled surface for at least 1 hour. Use fine bristled brooms or automatic floor scrubbing equipment to avoid dry spots. Reapply water as needed to maintain a fully saturated slab. Using an autoscrubber, pickup the water prior to immediately applying NailHard. This will cause the slab to 'pull' the chemical deeper into the slab. Apply in a consistent spray at 600-800 sf per gallon while flat mopping material to even wetness on slab. Keep material wet for 15 minutes by adding NailHard as needed and re-agiating with flat mop. Allow to dry to touch and mechanically rinse slab to remove any topical dusting from drying procedure. **Perform second application of NailHard in same procedure minus pre-wetting of slab.**

**OPTIONAL GLOSS STEP:** On hard troweled slabs, diamond impregnated burnishing post drying of NailHard application can add slight surface gloss to the substrate.

### Cream Polishing Application:

Apply at any point in the cream polishing process, prior to final gloss pass. Be sure to fully damp mop the substrate prior to application.

## DENSIFIER APPLICATION CONTINUED

### Grind & Polish Application:

Apply post minimum 200 grit honing & as late as pre-final gloss pass. Be sure to fully damp mop the substrate prior to application.

Best reaction achieved by applying NailHard immediately post damp cleaning of substrate or between wet slurry pickup. Application of NailHard on a saturated but not puddled concrete surface promotes further product yield & deeper reaction within the substrate.

NailHard can provide further reaction within the slab by applying multiple, thin (10-15 min surface wet) applications. Sequential applications of NailHard will increase surface tension, refinement and overall polish gloss at any stage. Always apply prior to final diamond pad at latest.

NOTE: No adverse affects from over applying NailHard other than excess reaction/wasted product atop surface. When wet honing sequentially post NailHard application, optionally overapplying NailHard can induce surface gelling which than provides a tooling lubrication when the wet honing is performed immediately atop the gelled NailHard product. This procedure dramatically increases surface refinement per step performed and overall final gloss.

When NailHard is applied prior to dry resin passes, be sure to allow substrate to fully dry prior to proceeding.

### Storage & Shelf Life:

Should be kept in the original container, with the lid fastened tightly. Store in a cool, dry place raised off the floor. Keep in a temperature range of 40-100°F or 4-38°C and DO NOT allow FREEZE. Seal container again after each use. Keep out of reach of children. Do not mix with other chemicals.

### Cleanup:

Any solution that cannot be reclaimed and reused should be cleaned with water and disposed of according to local, state and federal regulations.

### Physical Properties:

<b>Appearance</b>	Odorless clear liquid
<b>VOC Content</b>	0 g/l – free
<b>Freeze point</b>	32°F - 0°C

### VOC Compliance:

VOC compliant with national, state and district regulations at 0 g/L.

## WARNING & SAFETY INFORMATION:

KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. BEFORE USING THIS PRODUCT PLEASE READ THE SAFETY DATA SHEET IN ITS ENTIRETY!

## WARRANTY INFORMATION:

The information contained herein is believed to be reliable. This information is based on laboratory testing and results. Because of variations in methods, conditions and equipment, each user must test this product to make a judgment of performance. Applicator is responsible for testing material for effectiveness and performance. Manufacturer obligation is limited to the refund of purchase price or replacement of material if proven to be defective. Claims must be made in writing and received within one year from date of product sale to original buyer.