



CCSI Nano Sealer

CCSI Nano Sealer is a self-cross-linking nano-based waterborne copolymer that may just be the most versatile and important high-performance floor sealer on the market.

The following are the benefits of this remarkable coating:

- CCSI Nano Sealer provides a durable coating that seals and protects a multitude of substrates -- open and polished concrete, epoxy, block, brick, pavers, stucco, micro-toppings, self-leveling cements and many dimensional stones -- exterior and interior. The perfect final step in concrete polishing fills pores and adds gloss without risk of whitening.
- Very high abrasion-resistance for superb durability
- Outstanding stain and chemical resistance for multi-site use
- Efflorescence resistance for easier cleaning
- CCSI Nano Sealer is UV stable for exterior and interior use, over either tight or open surfaces.
- CCSI Nano Sealer is a VOC compliant color carrier and colorable sealer, a renewable final step for polished concrete floors.
- It is water submersible with early water resistance, non-yellowing, low odor, fast dry and offers excellent blush resistance.

Ph 586-792-3325 F 586-792-2711 EM paul@chemicalcontainment.com
PO BOX 46474 Mt Clemens, MI 48046
Web chemicalcontainment.com



- It is available in Gloss and Matte, in quarts or gallons.
- Flow and leveling is superb with brush, roller, squeegee or spray application.
- Meets ADA coefficient of friction standards (ASTM F1677) 0.55-0.69 for standard and 0.70—0.82 (ASTM-C779) for non-skid version

CHEMICAL RESISTANCE ASTM METHOD

(12 hour covered spot test)

- Transmission fluid No- Effect
- Gasoline No-Effect
- Formula 409 No-Effect
- Motor oil No-Effect
- Brake fluid Softens/ recovers
- 10% Hydrochloric Acid No-Effect
- 10% Sulfuric Acid No-Effect
- Red Wine No-Effect
- Vinegar Blemish/ repairable
- Hot Tire Pick-up Passed*

CCSI Nano Sealer Application

- Coverage rate is substrate dependent, ranging from ~250 – ~1000 square Feet per gallon per coat.
- Apply at 50°F - 85°F ambient and substrate temperature.
- % Solids 25 - 35 typical D 3960
- VOC 95 g/L D 3960
- Recoat Time 2 - 24 hours NA
- Set to Touch 2 hours
- Gloss (60° Specular) 48 D 523
- Abrasion Resistance 25 mgs loss D 4060 (CS-17 Disk, 1000 grams, 1000 cycles)



Instruction for use on hard troweled floors

Surface Prep

Surface must be free from all sealer, paint, waxes, mastics, oil and grease.

You may need to open up hard troweled surfaces prior to the application of CCSI Nano Sealer. The surface must accept the coating to work.

50 grit sanding screens can be used to open up a floor to accept TC Nano Seal. Clean up all sanding residue prior to proceeding.

Dilute the TC Nano Seal with up to 30% water and thoroughly mix

Spray the CCSI Nano Sealer with a pump up sprayer or a Patriot Sprayer.

2" Aluminum Frame Micro-Fiber Densi-Dye Applicator.

Swivel mount accepts any standard threaded handle.



22" Micro-Fiber Applicator Pad Refill.

Single or 12 pack.

Patriot
SpraySafe® Systems

Patriot
SpraySafe® Systems, Inc.

We believe the safest, most rugged system for making safer, polished concrete workable. One way that we provide you with consistent results is by identifying the best application method for our products, which is really what we did with the Patriot SpraySafe® Systems. You will mention the best, most consistent results when applying your floor and sealers with the CCSI driven pumps, and through our line of conical spray tips with various nozzles. Whether for slips, discoloration or sealers, we offer the best option for wear, consistency and value.



Patriot 500

Operational Flow Rate: 3 gallons per minute (without 100' 200cc CCSI Bottle will pump ~ 10 Gallons / approximately 10 minutes)

Material Handling: Directly from the container

Maximum PSI: 70psi / maximum by pressure

Model No. PAT500-040-EPDM / Model No. PAT500-020-EPDM

EPDM or NITON

EPDM Pump is used for the following materials: For use with your Solvent and Water-based Dens, as well as, The Dry Mix Seal 400 Sprayable Sealer. Alcohols and Ketones such as, Acetone, Solvent and Water-based Sealers can be used as well. DO NOT USE: Yellow based Sealers like Sun, Oil, Solvents, Sealer with Solvents or Acetone, Hydrocarbons.

NITON Pump support the following materials: Oil, Solvents, Hydrocarbons such as Cutting Compounds, Form Release agents, Rust Oil, Diesel, Grease & Water-based Sealers DO NOT USE: Solvents, Ketones, Alcohols, Ammonia & Ethanol

CONICAL SPRAY TIPS with Cartridge Inserts / Flow Rate @ 40psi

- Green #1 1/4" Conical Spray Tip
- Red #2 1/4" Conical Spray Tip
- Blue #3 1/4" Conical Spray Tip
- Black #4 1/4" Conical Spray Tip
- Black #5 1/4" Conical Spray Tip



Description	Model No.	Description	Model No.	Description	Model No.
Basic No. set of 5	040000	1.5" dia. nozzle	PT100	Pressure Switch No. Spring	PT10
50' Hose	040000	50' dia. nozzle	PT100	CCSI container	040000
CCSI Bottle (500g) 1/2 pack	040000	50' dia. nozzle	PT100	CCSI Micro Applicator	040000
CCSI Bottle (500g) 1/2 pack	040000	50' dia. nozzle	PT100	CCSI Micro Applicator	040000
Pump Sprayer Model PAT500	040000	50' dia. nozzle	PT100	Micro Fiber Applicator Pad	040000
CCSI Applicator Pad (12 pack)	040000	50' dia. nozzle	PT100	Micro Fiber Applicator Pad	040000
Micro Fiber Applicator Pad (12 pack)	040000	50' dia. nozzle	PT100	Micro Fiber Applicator Pad	040000

Spray a light coat and do not over apply
Immediately use a micro fiber mop that is dampened with water to uniformly distribute the Nano Sealer. The sealer should not be left with a white look but a uniform wet look.



Allow the Nano Sealer to cure hard before applying subsequent coats. This cure can be verified by a surface hard enough to resist an impression by a fingernail or the edge of a quarter. The second coat can be applied with or without water dilution. It is important that second coat is spray and pumped on as discussed previous to insure thin uniform coating

Use a floor buffer on low speed to bring the floor after cure to a luster if desired

Allow 24 hours for cure before placing in service.

TC Nano Seal can be colored matched to any color scheme. Consult CCSI for color procedures. A clear top coat must be used over a colored version of the system.