



NOVEL STAINS

ORGANIC REACTIVE STAINS FOR CONCRETE SURFACES

Novel Stains contain eco-friendly, non-hazardous “green” organic salts obtained from natural and botanical (plant) sources which react quickly with the concrete surface just like acid type stains. **Novel Stains** are metallic salt-based formulations which penetrate cementitious surfaces and chemically react with calcium hydroxide (free lime) forming new durable, insoluble, and permanent chemical compounds with random mottled color hues. Unlike traditional acid stains, which contain hydrochloric (muriatic) and/or phosphoric acids for reaction, **Novel Stains** are safe to apply and transport with no loss of penetration or reactivity.

APPLICATIONS: OCERA Novel™ Stains can be used for decorative concrete including flatwork, stamped and textured concrete, concrete counter tops, concrete masonry units, stucco, mortar, grout, and most any other Portland cement-based surface. They can be used indoors or outdoors with a few color exceptions (Refer to Limitations Section).

BENEFITS:

- Achieve beautiful, natural colors that exhibit mottled hues and tone
- Exhibit a high degree of reaction equal to traditional acid stains without the same hazards of transport, use and personal protection
- Are formulated using “green technology” and qualify for LEED credits
- Contain no light sensitive dyes or additives that will fade over time

LEED CREDIT CONSIDERATIONS: Materials and Resources: **MR Credit 1.2**-Building re-use. Indoor Environmental Quality: **EQ Credits 4.2:** Low emitting materials (VOC < 25 g/L). **MR Credits 5.2:** Regional materials- Greater than 20% extracted, processed and manufactured regionally at production location: Kankakee Illinois 60451. 90% Content- Harvested within 500 miles. **MR Credits 6.2:** Rapidly renewable materials.

COMPOSITION: **Novel Stains** contain water, plant based biodegradable organic salts with proprietary, non-hazardous acid derivatives, metallic salts, and wetting agents.

COLORS AND FINISHES: The **Novel Stains** are available in 10 standard shades that can be mixed together for additional translucent color tones or effects. It is important to note that the color of **Novel Stains** as a liquid, or when initially applied, is not representative of the actual color that will develop after it has had time to react with the concrete. **Novel Stains** will usually appear lighter upon application but will develop their true darker colors 2-4 hours after initial application.

COVERAGE: Coverage is approximately 250-350 square feet per gallon and is dependent on concrete porosity. Coverage will typically be at the higher range for hard troweled or mechanically finished concrete, and at the lower range if concrete is broom finished, very rough or absorptive, or if application conditions are hot or windy. **Novel Stains** should normally be used as is, allowing the stain surface to cure for at least 1-2 hours. For slightly lighter shades or cost reduction reasons, the **Novel Stains** can be cut with water 1 to 1 by volume. For slightly darker hues, apply successive coats as needed. Do not wash off stain in between coats. Rinse with water when the staining process is completed.

NOTE- REFER TO THE NOVEL STAIN SERIES APPLICATION GUIDELINES FOR DETAILED INSTALLATION STEPS

LIMITATIONS: Blue, blue/green, or related copper containing colors including Rustic Copper 890, Morning Dew 880, and Tropical Breeze 870 are to be used for interior only applications since they may darken or blacken over time when exposed to excessive moisture from rain or sprinklers. In interior applications, the sub-grade must be well drained and not subject to excessive hydrostatic pressure or moisture vapor emission rates (over 3 lbs./1000 square feet), which may also contribute to surface darkening of these colors over time.



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CAUTIONS: After the *Novel Stain* has reacted and before sealing confined area applications such as basements, it is important that consideration be given to the high moisture content in the slab resulting from the extra water absorbed during the rinsing stages. **In these cases, an extra 24-48 hours should be allowed for the substrate to dry out adequately, especially important if a water-based sealer like Uresheen 30 is to be applied.** Failure to allow the substrate to dry adequately can result in weakened sealer bond and/or peeling delamination of the film. It is also highly recommended that the first coat of Uresheen 30 sealer be allowed to cure out completely (24 hours suggested wait time between coats) before a second coat is applied. The second coat can be applied directly over the first with no sanding necessary between coats as with other urethane type sealers. *Novel Stains* should not be applied if ambient temperatures are below 40°F (4.4°C) or above 90°F (32.2°C), or in conditions of high wind and blowing dust. Pozzolanic additives in concrete (such as fly ash, ground blast slag, silica fume, and high reactivity metakaolin) consume calcium hydroxide and may reduce the intensity of color created. *Novel Stains*, sealers, and floor finish waxes are not currently approved for use in food contact or food handling surfaces such as countertops or food preparation areas.

GHS HAZARD RATINGS: WARNING



Irritant-Respiratory Tract Irritation

WARNINGS: The *Novel Stains* are for use by qualified professional contractors and trained applicators. Although *Novel Stains* are non-corrosive to skin. Avoid prolonged skin contact. Wash skin with soap and water if exposed to avoid possible irritation. Wear splash resistant eye protection and impervious gloves when handling. There are no fumes associated with *Novel Stains* when applied manually by brush or cloth, however, if a sprayer is used, a NIOSH approved respirator is recommended as the stain will be in a vaporized form and may cause irritation. Before using, refer to product S.D.S. (Safety Data Sheet) for further health and safety information. Keep containers closed when not in use and dispose of accordingly. Keep away from food and drink. Do not take internally. **FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. FOR EMERGENCIES ONLY, CALL INFOTRAC AT 800-535-5053.**

H.M.I.S. CODES (Hazardous Materials Identification System): HEALTH = 2, FLAMMABILITY = 0, REACTIVITY = 0, PERSONAL PROTECTION = E (Impervious gloves, splash goggles and respirator).

HAZARDOUS INGREDIENTS: Section 313 Supplier Information: This product contains no chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know-Act of 1986 and of 40CFR 372.

FIRST AID: Eye Contact: Flush eyes with clean water until irritation subsides. Seek medical attention if necessary. **Skin Contact:** Wash skin with soap and water. Consult a physician if irritation persists. **Ingestion:** Do not induce vomiting. If victim is conscious, give 4-5 glasses of water, and immediately call a physician / poison control center. **Inhalation:** Remove to fresh air. If not breathing, give artificial respiration Seek a Physician Immediately.

SHIPPING D.O.T. CLASS: NOT-REGULATED BY D.O.T. ITEM 33880, SUB 2, LTL 55 CONCRETE STAIN - WATER BASE.

PACKAGING: 1 gallon (3.78L) bottles (4 gallons / case), and 5 gallon (18.9L) pails

STORAGE: 40° to 90° F. Keep from freezing and out of direct sunlight if possible. **SHELF LIFE:** 2 years properly stored

WARRANTY: Specco Industries Inc (Specco) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Specco, no other representations or statements made by Specco or its representatives, in writing or orally, shall alter this warranty. **SPECCO MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME.** If any Specco product fails to conform with this warranty, Specco will replace the product at no cost to Buyer. **Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages.** Specco does not authorize anyone on its behalf to make any written or oral statements which in any way alter Specco's installation information or instructions in its product literature or on its packaging labels. **Specco explicitly excludes any written or oral statements or implied warranty on the performance of an applied/installed product manufactured or sold by or through Specco. Specco has no control over Specco application standards adherence, site conditions, atmospheric variations, installer/applicator skill level or the determination of the suitability of any Specco products for a specific intended purpose. Buyer shall be solely responsible for determining the suitability of Specco's products for the Buyer's intended purposes.** Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind.

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