



# STONE TRANSITIONS “NATURAL SERIES” SEMI-TRANSPARENT COMBINATION STAIN & SEALER FOR DECORATIVE CONCRETE & MASONRY SURFACES

**Stone Transitions “Natural Series” Stains** are water based, breathable, semi-transparent formulations designed to color concrete and masonry structures, while retaining both the texture and the natural characteristics of the surface. These stains were developed using newly developed nano-pigments, which allow a higher degree of permeability and color distribution into the substrate, due to their finite molecular size and non-settling properties.

**Stone Transitions “Natural Series” Stains** pigment-only based formulations exhibit high resistance to fading from sunlight. They contain minimal amounts of volatile petroleum solvents and do not exhibit any objectionable odors, making them safe to use in enclosed areas. The stains contain a high percentage of resin which make them very resistant to wash out or leaching from the substrate with no topcoat sealer needed for durability.

**APPLICATIONS:** **Stone Transitions Natural Series Stains** can be used for decorative concrete including vertical (carved or stamped) surfaces, overlays, concrete counter tops, concrete masonry units, stucco, mortar, grout, and most any other Portland based surface. They can be used safely in either indoor or outdoor applications.

#### BENEFITS:

- Formulated as a combination stain and sealer, therefore no additional top-coat seal is required for long term durability.
- Achieve beautiful, mottled stone-like colors and hues along with a natural looking matte finish.
- Exhibit a high degree of color mottling and penetration.
- Can be used to make quick and easy color corrections over existing stains for routine maintenance.
- Contain no light sensitive dyes or additives that will fade over time, making them ideal for outdoor applications.

**LEED CREDIT CONSIDERATIONS:** Materials and Resources: **MR Credit 1.2**-Building re-use. Indoor Environmental Quality: **EQ Credit 4.2:** Low emitting materials (VOC < 25 g/L). **MR Credit 5.2:** Regional materials- Greater than 20% extracted, processed and manufactured regionally at production location: Kankakee, Illinois 60901. 90% Content- Harvested within 500 miles.

**COMPOSITION:** **Stone Transitions Natural Series Stains** contain water, proprietary resins, rheology modifiers, and specially engineered nano-pigment dispersions.

**COLORS AND FINISHES:** **Stone Transitions Natural Series Stains** are available in 12 standard shades that can be mixed together for additional translucent color tones or effects. Custom colors are available upon request. Concrete Earth recommends that a test application be made on the actual surface to be treated, to accurately determine coverage rates and for customer approval of both color and appearance.

**SURFACE PREPARATION:** All surfaces must be structurally sound, clean, dry and free of dust, dirt efflorescence, mortar smear, laitance, curing or form release compounds or other contaminants. For vertical carving stain applications, allow the substrate surface to dry for 24 hours minimum before applying any **Stone Transitions Natural Series Stains**. Cementitious microtopping or overlay application products should be allowed to cure for a minimum of 48-72 hours at ambient temperatures before applying any **Stone Transitions Natural Series Stains**. New concrete should be allowed to cure for a minimum of 12-14 days, preferably up to 28 days, to allow maximum penetration of the stain. Take care to provide an absorptive surface on all smooth, dense, or hard troweled substrates by mechanical abrasion or chemical etching. The use of **Specco Enviro Clean & Etch C-30** cleaner is recommended to remove contaminants and increase porosity and stain penetration. Do NOT use muriatic acid type cleaners. Make sure to rinse the cleaned surface thoroughly and allow it to dry prior to applying any **Stone Transitions Natural Series Stains**.

**MIXING:** **Stone Transitions “Natural Series” Stains** are concentrated formulas designed to be diluted from 1 to 3 equal parts of water for typical color consistency. All colors should be shaken well before use and poured into a separate, clean mixing pail. The empty bottle should be filled with potable water from one to three times depending on the depth of color tone and penetration desired, using less dilution for deeper, richer colors. The dilution step ensures that any remaining pigment residue that may still be inside the container is flushed from the bottle and full transfer of the concentrate is complete.

**COVERAGE:** Coverage rates will vary on the above dilution sequence; however, they are approximately 150-250 square feet per gallon depending on concrete porosity. Coverage will vary toward the higher range for harder steel troweled concrete and/or cast surfaces which are considerably denser, and to the lower range for textured, carved, broomed or porous surfaces. For slightly lighter shades or cost reduction reasons, dilute the stains with water at a ratio of 1 to 3 parts by volume. For darker hues, apply the stains full-strength, and re-apply with an additional coat after the first coat has fully penetrated (usually 30-40 minutes) for a more opaque finish.

**LIMITATIONS:** **Stone Transitions “Natural Series” Stains** are intended for translucent (transparent) type color alterations and should not be used for a fully opaque type application where complete substrate coverage is desired.



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**CAUTIONS:** *Stone Transitions Natural Series 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.

## GHS HAZARD RATINGS:

NONE

**FIRST AID: REFER TO PRODUCT S.D.S. (SAFETY DATA SHEET) FOR COMPLETE HEALTH AND SAFETY INFORMATION BEFORE USING THIS PRODUCT. FOR MEDICAL EMERGENCIES ONLY – CALL INFOTRAC AT 800-535-5053.**

**WARNINGS & SAFETY INFORMATION:** Before using, refer to product S.D.S. (Safety Data Sheet) for further health and safety information. Wear splash resistant eye protection and impervious gloves when handling. Wash skin with soap and water if exposed to avoid possible irritation. Keep away from food and drink. Keep containers closed when not in use and dispose of accordingly. **KEEP FROM FREEZING.** If frozen, please discard solution and dispose of properly. **FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. FOR EMERGENCIES ONLY, CALL INFOTRAC 800-535-5053.**

**H.M.I.S. CODES (Hazardous Materials Identification System):** HEALTH = 1, 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.

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

**PACKAGING:** 1 quart (0.95L) (6 quarts/case), 5 gallon (18.9 L) pails

Note- For pre-testing needs, smaller sized 4 oz. individual sample bottles, or 12 color sample kits, are available.

**STORAGE:** 40° to 90° F.

**SHELF LIFE:** 2 years properly stored

**WARRANTY: 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. No other representations or statements made by Specco representatives, in writing or orally, shall alter this warranty.*

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