



Uni-Stain Cementitious Stain

MANUFACTURER

Subsidiary of Universal Building Products
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DESCRIPTION

Uni-Stain is an exciting alternative to typical reactive acid stains. There are no acids or harmful chemicals integrated in its design. Since no chemical reaction takes place, there is no extended waiting time for color to reach full development.

Uni-Stain penetrates the inherent porosity of cementitious products to produce color. Color may be "built up" without the worry of spending all the alkalinity, as with acid stain. **Uni-Stain** saves time on the job with no rinsing, no mopping, no neutralizing, and no residue.

USE

Uni-Stain may be used in interior and exterior flooring applications. Typical applications include residences, restaurants, malls, etc. as an economical alternative to tiles or pavers. **Uni-Stain** becomes a permanent part of the concrete that it has penetrated, and will not fade, peel, delaminate, or chip. **Clear Seal Solvent** or **W/B Clear Seal** sealers are required and perform excellent in high traffic areas. The sealed surface is especially easy to clean and maintain.

SURFACE PREPARATION

Clean

Concrete must be thoroughly cleaned before **Uni-Staining**. Liquid curing agents should not be used on concrete that is to be stained. Nothing should block the porosity of the host surface.

For premier results in cleaning concrete prior to **Uni-Staining**, use a black scrubbing pad with water on a rotational floor scrubbing machine.

Acid Etching to open up the concrete surface is generally recommended for every **Uni-Stain** project. Apply diluted at the ratio of 4:1 (4 parts

water to 1 part Hydrochloric (Muriatic) acid.) Coverage is approximately 150 sq. ft. per gallon. After spraying acid solution from an acid resistant pump-up sprayer, agitate with a nylon bristle broom. Allow to stand until all foaming and bubbling has ceased. Do not allow acid solution to dry on slab, rinse frequently. For interior slabs, wet vacuum rinsed areas. For exterior slabs, simply rinse away.

NOTE: Water must easily penetrate the surface. Spotting the surface with water can check this. The water should darken the surface and be readily absorbed into the concrete. If water "beads" and does not penetrate additional curing and/or surface preparation must be done.

Concrete Cleaner & Degreaser may be required for visible oil stains. Oil, grease, and other petroleum stains that are permanent will not be appealing in final coloration, nor will they receive the sealer to follow.

*(Note: Some substrates are excessively porous. Particularly concrete that was finished poorly [not closed with a steel trowel], broomed, or very old concrete may absorb **Uni-Stain** so deeply that little color, if any, is visible. With this circumstance **Uni-Prime Prep** is required. See separate spec. sheet for details).*

Cured

Allow concrete to cure a minimum of fourteen (14) days. Cooler climates, (highs not reaching 50°F) require curing times of twenty-one (21) days or more.

PROTECTION

Surrounding areas and foliage should be protected prior to staining. Any adjoining walls should be masked. The use of plastic sheeting for masking is appropriate, as it will not absorb and hold the stain. Wear a NIOSH approved respirator if adequate ventilation is problematic. The use of chemical resistance gloves and chemical splash goggles is appropriate. Wear suitable protective clothing to protect skin.

APPLICATION

Apply first coat with fine tipped sprayer on dry surface using caution to avoid track lines from the spray pattern. A circular motion with the wand is desired. **Uni-Stain** may be applied full strength or diluted with water to desired rate.

Applying additional coats is optional. Supplementary colors may be combined at desired rates and number of coats. Customarily apply lighter colors first. In addition to spraying some contractors employ mopping, sponging, and ragging, especially for accenting.

CLEAN-UP

None, simply allow to dry.

SEALER

Clear Seal Solvent Based or **Water-Based Clear Seal** at two coats are required. The surface must be clean, completely dry and at least 40°F for Solvent Based and 56°F for Water Based during the sealing application. To apply with roller use an appropriate roller sleeve. Apply one thin coat forcing the sealer into the surface. Allow sealer to dry, and then repeat the process with a second coat of sealer.

Decorative score lines that are to be grouted should be grouted between coats of sealer.

For interior applications **High-Gloss Wax** (see *specification sheet*) is recommended as an industrial floor finish that will act as a sacrificial coat to protect the sealer below and impart a beautiful high gloss.

Provide slip resistance with **Skid-Resistant Additive** for exterior slabs. **Satin-Matte Additive** can also be used with the sealers for low gloss sheens.

Allow twenty-four (24) hours before permitting foot traffic on sealed area. Allow seventy-two (72) hours before permitting vehicle traffic on sealed area.

MISC. DATA

Coverage: 1 gal. = 200 sq. ft. per coat.
Mixing Ratio: varies from no water dilution to approx. 4:1 / water. **Uni-Stain** is available in 18 colors.

LIMITATIONS

Apply in ambient and surface temperatures above 40°F and rising and lower than 90°F. Cement substitutes will **not** affect color, unlike reactive acid stains that are dependent upon alkalinity to create a chemical reaction.

If fiber is to be utilized in concrete that is to be chemically stained, use "stealth" fibers that do not stand proud of the finished floor.

Uni-Stains in blues & greens will **not** spot black in the presence of moisture.

PACKAGING

Uni-Stain: 1 gal. jugs.
Clear Seal Solvent Based: 1 & 5 gal. pail
Water-Based Clear Seal: 1 & 5 gal. pail
Skid Resistant Additive: 15 Lb. pail
Satin-Matte Finish Additive: 12 Lb. pail
Uni-Prime Prep: 1 gal. jug & 5 gal. pail

WARRANTY

IMPORTANT NOTICE:

THESE PRODUCTS ARE SOLD SUBJECT ONLY TO THE EXPRESSED WARRANTIES CONTAINED HEREIN. ADDITIONAL WARRANTIES, EXPRESSED OR IMPLIED, AND ANY WARRANTY OF MERCHANT ABILITY IS HEREBY EXCLUDED. BUYER AGREES THAT SELLER ASSUMES NO LIABILITY FOR CONSEQUENTIAL DAMAGES OF ANY KIND, WHICH RESULT FROM THE USE OR MISUSE OF THE MERCHANDISE SOLD HEREUNDER. IN THE EVENT THAT THE BUYER PROVES THAT ANY GOODS RECEIVED DO NOT CONFORM TO THE SPECIFICATIONS AGREED TO BETWEEN THE PARTIES OR IF THE BUYER PROVES THAT SUCH GOODS WERE DEFECTIVELY MANUFACTURED. THE BUYER'S REMEDIES SHALL BE LIMITED TO EITHER THE RETURN OF THE GOODS AND REPAYMENT OF THE PURCHASE PRICE OR REPLACEMENT OF THE NONCONFORMING GOODS AT THE OPTION OF THE SELLER. SUCH REMEDY BEING EXCLUSIVE OF ALL OTHERS AND THE SOLE REMEDY AVAILABLE TO THE BUYER, TO WHICH HEREBY EXPRESSLY WAIVES ANY CLAIM TO ADDITIONAL DAMAGES.

