

# HYDRO™ STAIN

## TECHNICAL DATA SHEET

### DESCRIPTION

Hydro Stain is a liquid form, semi-transparent, water-based, penetrating concrete stain. It makes use of concrete's porosity and natural tendency to take in moisture to draw in the unique micronized pigments to transform boring, lifeless concrete into a multicolored, antiqued, variegated surface. When you choose any one of the multiple colors, you are in control of its movement and beauty with its eco-friendly, zero VOC, no rinsing, no neutralizing formula.

Typical applications for Hydro Stain are concrete and concrete overlays: floors, walls, ceilings, countertops, wall panels, and other architectural elements in both residential and commercial settings.

### SURFACE PREP

The principles for surface preparation for Hydro Stain are aligned with other coloring agents for cement-based products. The substrate must be:

1. Clean: The surface must be free of dust, dirt, oil, grease, paints, glues, sealers, curing agents, stamp tool releases, efflorescence, chemical contaminants, rust, algae, mildew, and other foreign matter that may prevent proper adhesion. Some cleaning may require other measures that should be evaluated (e.g. grinding, shot blasting).
2. Cured: is best used on cured concrete and cured concrete overlays. One may apply Hydro Stain on not fully cured concrete, final color may not be realized for 14 to 28 days, or once concrete is fully cured.
3. Sound: No system should be placed on concrete or overlays that are flaking or spalling.



**NATIONAL CONCRETE PRODUCTS**

### TEMPERATURE/CURE

As Hydro Stain must be sealed, temperature and cure are addressed according to the selected sealer's requirements. Typically apply when surface and ambient temperatures range between 50°F (10°C) and 90°F (32°C) and will remain that way for 24 hours.

### MIXING & APPLICATION

Hydro Stain comes in one size, designed to match the color chart. The color chart is based on two applications of hydro stain at "standard strength." Identify which of the three sizes you have and follow the mixing instructions for that exact size to ensure you are at "standard strength."

**Hydro Stain** is designed to be mixed with water in order to match the color chart. Thoroughly shake the bottle to evenly disperse pigment for 10 to 15 seconds. Pour into a one-gallon mixing container (or larger) and add 96 ounces of clean water (three quarts), and then mix for 10 to 15 seconds. At this point, you have created one gallon of "standard strength". It can be diluted, if desired, to create a new shade not on the color chart. This dilution can vary from "standard strength" to approximately four parts water to one part Hydro Stain (4:1).

## QUICK FACTS

### PACKAGING

32-ounce concentrate (947 mL) bottle

### COVERAGE

200 ft.<sup>2</sup> at standard strength (18.6 m<sup>2</sup>) per gallon (3.8 L)

### MIX RATIO

See Mixing & Application section.

### SHELF LIFE

Under normal conditions: when kept dry and moisture free, out of direct sunlight, the shelf life of an unopened container is twelve (12) months from the date of purchase. Storage must be under roof and off the floor. Rotate inventory to maintain product that is within limits.

## SLIP RESISTANCE

Hydro Stain alone does not affect slip resistance, but the sealer selected to finish the project will.

## CHOOSING A SEALER

Once completely dried, It can be sealed with a solvent or water-based acrylic, polyurethane, epoxy, or polyaspartic.

## SUITABILITY SAMPLE

Always prepare an adequate number of onsite test areas on the intended substrate to establish aesthetic suitability for products' intended use.

## CLEAN-UP

can be cleaned up with water.

## DISPOSAL

Contact your local government household hazardous waste coordinator for information on disposal of unused product.

## LIMITATIONS

- does not carry a sealant and should not be used as a standalone product.
- sees only porosity and will highlight porosity differences in the surface it is applied to.
- dries a few shades lighter, than when wet. To keep the color enhancement, a color-enhancing sealer or coating must be applied.
- Hard troweled surfaces and other surfaces in which the pores are smaller than the pigment in Hydro Stain, will cause product to dry on the surface.
- If sealer or coating comes off the concrete surface, It will also be removed, as it bonded with the protective film applied.
- For use by trained professionals who have read the complete SDS.
- Raw material supply for the specialized pigments may vary by batch.
- Utilize the same batch for entire job or "box" multiple batches for consistency.
- can aid in blending concrete, but will not hide existing concrete discoloration, blemishes, cracks or other surface problems.



## NATIONAL CONCRETE PRODUCTS

## WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of purchase price, or replacement of product (if defective), at manufacturer's or seller's option.

## CAUTIONS

KEEP OUT OF REACH OF CHILDREN. Inhalation: Avoid prolonged breathing of airborne dust, particularly present during mixing. Use NIOSH approved respirator for nuisance if threshold limit values are unsafe. Skin Contact: Skin contact may cause irritation. Remove contaminated clothing and wash affected skin with soap and water. Launder clothing before reuse. If symptoms persist, seek medical attention. Eyes: Wear safety eye protection when applying. Contact with eyes may cause irritation. Flush eyes with water for 15 minutes. If symptoms persist, seek medical attention

## SAFETY DATA SHEETS

The following are links to all available safety data sheets related to this product:

## MANUFACTURER PART #'S

32-ounce bottle

## VOC REGULATORY COMPLIANCE

[illegible]