

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.² at standard strength (18.6 m²) 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.

