

# LEGGARI STAIN

## Technical Data Sheet

### PRODUCT DESCRIPTION

Leggari Stain is a concentrated, polymer modified, water-based penetrating stain for use on concrete, overlays, conventional concrete and other porous masonry surfaces. Formulated to be friendly with our environment and LEED-compliant, Leggari Stain penetrates and bonds deeply to achieve vibrant long-lasting transparent colors in a flat finish with excellent resistance to UV exposure and degradation. Unlike acid and many other types of concrete stains, Leggari Stain has been designed to leave no residue that requires clean up or neutralization prior to the application of a finish coat or sealer. As soon as the applied stain has dried, usually within 30 minutes, it can be sealed with any one of Leggari Products sealers and topcoats.

#### ADVANTAGES

- Penetrating stain technology – no surface film that can peel
- Easy to mix and apply
- Easy clean up – with just water and soap.
- Versatility of application – spray, roller, sponge, brush, etc.
- 100% UV stable – will not discolor
- Suitable for most porous surfaces both interior and exterior
- No rinsing or neutralization needed for sealer application
- Rapid drying - can be sealed within 30 minutes of application
- Application versatility Provides Infinite Appearance options

#### PACKAGING AND COLOR

- **5 gal. Pail** with re-seal-able lid. Containers are short-filled to allow for the dilution with isopropyl alcohol and Leggari Pigment.
  - **Color options:** light brown, medium brown, dark brown, light gray, dark gray and black
- \*(2 gallons Isopropyl alcohol bought separately)

#### COVERAGE RATES

One 5 gallon pail covers 1,500-4,000+ sq ft, depending on the porousness of the surface

\*Actual consumption rates are dependent on many factors including, but not limited to, substrate texture and porosity, multi-layered applications and normal allowance for waste.

#### RECOMMENDED SEALERS

- Leggari WB Sealer
- Leggari WB Gloss or Matte Urethane
- Leggari Metallic Epoxy (Indoors only)

#### APPLICATIONS

- Stain and refurbish new and existing concrete
- Horizontal, vertical and overhead surfaces
- For accenting Leggari Texture Coat and Scratch Coat Overlay
- Restore the appearance of stamped concrete
- Pool decks and patios
- Concrete pavers, masonry, split face and fluted block
- Tilt-up concrete and precast concrete
- And many more

#### MIX RATIO

- For a 5 gallon pail: first blend in one Leggari Pigment thoroughly until color is consistent, then add 2 gal of 91% or higher isopropyl alcohol. Blend slowly with an electric drill.

#### SHELF LIFE AND STORAGE

- Shelf life will be one year from the date of manufacture as long as containers remain unopened and when material is stored in a protected environment that is free from moisture, excessive heat and freezing temperatures, and direct sunlight.



## MIXING AND APPLICATION

### Surface Preparation

All surfaces to be stained must be clean, sound and free from any bond inhibiting substances including, but not limited to, curing compounds, sealers, grease, oil and any other contaminants or loosely adhered materials that may interfere with stain penetration. For concrete substrates, an open pore structure and

minimum surface profile of CSP-1 is required depending on overall substrate conditions and staining requirements. Concrete and other porous or absorptive substrates can be slightly damp or dry, depending on desired color accent or effect, at the time of application to the substrate.

### Mixing

All materials must be mixed mechanically using a high-speed drill with a paddle mixer. 5-gallon units are short-filled with three gallons and require dilution with two gallons of solvent. Begin mixing the Leggari Stain with a high-speed drill. Then slowly add solvent into the vortex and continue mixing for one minute until color is consistent.

### Application

Mixed and pigmented stain can be applied using a trowel, roller, brush, broom, sponge, or spray equipment. The use of an HVLP (high pressure-low volume) sprayer offers excellent control and outstanding results when accenting the application with highlights and variations. Multiple layers of Leggari Stain combinations applied in tandem create infinite styles of color variation and effects. Leggari Stain can also be diluted with water for lighter intensity. There is no need to rinse or neutralize the surface after treatment.

Once dry, 30 to 60 minutes under normal conditions, immediately apply a clear Leggari Sealer or top coat to assure durability and longevity. If a sealer cannot be applied right away, protect the application from traffic and contamination until a protective sealer can be applied.

\*For best results, refer to our full video tutorial and installation guidelines specific to your project prior to application.

### For Best Results

- Always install a minimum 4' by 4' test area or mock up to obtain owner approval of acceptable color, texture, finish adhesion and any other critical requirements prior to proceeding.
- Verify that the most current versions of product technical data sheets (PTDS), color charts, safety data sheets (SDS), and installation guidelines (IG) are being utilized for project submittals and application reference.
- Protect materials from excessive heat and cold.
- The proper application of this product is the sole responsibility of the end user. Supervision and quality control are the sole responsibility of the user.
- Measure substrate temperatures to ensure that material is applied only when temperatures are between 50°F (4.5°C) and 90°F (32.2°C) during placement of the Leggari Stain.

- As with all colored stains, results may vary over natural porous mineral substrates.
  - Results may vary from slab to slab if the concrete was poured at different times or with different batches from the concrete plant.
  - Leggari Stain must be protected with a clear sealer or topcoat to maintain a vibrant color, longevity, durability, chemical and abrasion resistance, and ensure ease of cleaning.
  - Substrates to be stained must be sufficiently cured, and clean with an open pore structure for penetration. New concrete should be allowed to cure approximately 10 to 14 days before application.
- \*For best results, refer to our full video tutorial and installation guidelines specific to your project prior to application.

### TYPICAL PHYSICAL PROPERTIES @ 75°F (24°C) @ 50% R.H.

Vehicle Type	Acrylic polymer emulsion
Pigment Class	UV stable pigment dispersion
Polymer	Promotes adhesion to concrete surface
Sheen	Matte
Drying time	Maximum 30 min to 1 hour
Flash Point	>220°F

## DISCLAIMER

PRODUCT FAILURE DUE TO IMPROPER INSTALLATION OR DEVIATION FROM THE RECOMMENDED USES &/OR APPLICATIONS WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR/INSTALLER TO COVER THE PRODUCT COST, AND LABOR.

IN THE CASE OF A PRODUCT DEFECT BEING THE REASON, A JOINT WARRANTY WOULD COME INTO EFFECT. IF THIS WERE TO TAKE PLACE LEGGARI PRODUCTS LLC WOULD REPLACE THE PRODUCTS SOLD (NOT TOOLS & EQUIPMENT) AND THE CONTRACTOR OR INSTALLER WOULD COVER THE LABOR.

Prepared by:  
Revision Date:

LEGGARI PRODUCTS LLC  
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