

Technical Data sheet
DIY STAIN

PRODUCT DESCRIPTION

DIY Stain is a water-based, penetrating stain that is designed to create unique color effects in finished cementitious surfaces, simulating the natural shadings and aged appearance of stone or masonry. The color effect produced is unique to each stained surface and cannot be replicated with other materials. Unlike typical reactive acid stains, DIY Stain contains no acids or harmful chemicals, making it a safer alternative.

BASIC USES

DIY Stain is suitable for use on properly prepared vertical or horizontal concrete surfaces, cement-based overlays, some masonry surfaces, artificial rock displays, water features, themed finishes, or pre-cast concrete products.

COMPOSITION

DIY Stain is a water-based formulation and does not contain hydrochloric acid, making it more environmentally friendly.

COLORS

DIY Stain is available in 18 standard colors, including greens and blues that can be used outdoors. The colors can be diluted with water for more subtle tones.

APPLICATION

When using DIY Stain, it is strongly recommended to create samples and mock-ups to determine the final color outcome. The product is translucent and will look different on every slab, depending on variations in cement color, finishing techniques, and surface preparation. The color chart is a general guideline and should be used as such. Jobsite mock-ups are recommended for final color determination. Applications on overlays will typically yield stronger colors, and samples should be made using the same application method planned for the field installation. Colored concrete will also have an impact on the final color outcome. Samples are recommended to determine the interplay between the slab color and the stain.

SURFACE PREPARATION

Before using DIY Stain, the concrete surface must be thoroughly cleaned and profiled to ensure proper adhesion. The recommended profile for DIY Stain is CSP1 or 2, which are outlined in Guideline No. 310.2R-2013 by the International Concrete Repair Institute. It is important to note that dirty or contaminated surfaces may prevent adequate penetration of DIY Stain, limit color results, and cause problems with sealer adhesion. Therefore, it is crucial to properly clean and profile the concrete surface before applying the stain.

Surface preparation videos can be viewed on our website.

Some very dense concrete with tightly troweled surfaces may require mechanical preparation methods to open the surface prior to applying DIY Stain to ensure proper penetration. Surfaces requiring this type of preparation can be identified during the mock-up. Dry DIY Stain that is easily removed following application to the slab indicates the material was not able to penetrate, and additional preparation measures will be necessary.

DIY Stain is recommended for cured concrete, but applications over freshly placed concrete are not uncommon. The stain is non-reactive and will not be affected by the curing process. Interaction between the color of the concrete and the stain can change, as freshly placed concrete is typically darker than cured concrete. Slight variations can be expected in the stain colors as the concrete lightens over time.

APPLICATION

Prior to staining, it is important to protect surrounding areas and foliage. Any adjoining walls should be masked, and plastic sheeting can be used for masking, as it will not absorb and hold the stain. Wear a NIOSH approved respirator if adequate ventilation is problematic, as well as chemical-resistant gloves, chemical splash goggles, and suitable protective clothing to protect the skin.

To apply the stain, divide the work area into manageable sections, utilizing natural break points such as walls, joints, or other features. Control wet edges to minimize overlap marking during application and avoid walking on wet stain.

Thoroughly mix the DIY Stain prior to use,

Warranty:

This warranty is made in lieu of all other warranties, either expressed or implied. Before application, the user shall determine the suitability of the product for his/her intended use, and the user assumes all risks and liabilities whatsoever in connection therewith. Neither the seller nor manufacturer has any knowledge or control concerning the purchaser's use of this product, and no warranty is made as to the results of any use. The Manufacturer and/or Seller warrants that if any goods supplied prove defective in material, the sole obligation shall be to replace said product. Any claim of defective product must be received in writing within one (1) year from the date of shipment. Neither the manufacturer nor the seller shall assume any liability for injury, loss, or damage resulting from the use of this product.

Important Note:

Do not take DIY Stain by Designcrete DIY LLC internally. Keep the product out of the reach of children