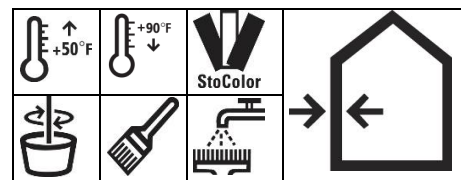


## PRODUCT BULLETIN

# StoColor Wood Stain

Product Number: 81713-Gloss, 81714-Matte



## PRODUCT DESCRIPTION

StoColor Wood Stain is an acrylic-based stain for use as a topcoat over StoCast Wood and StoSignature Wood. Use it on vertical above grade walls in StoVentec®, StoTherm®, StoPowerwall®, StoQuik® Silver, StoPanel®, and StoLite® wall systems, and on prepared concrete, concrete masonry, or stucco wall surfaces.

FEATURES	BENEFITS
Acrylic-based	Provides UV protection, excellent adhesion, weather resistant
Wide variety of colors and sheens	Design freedom
Easy to install	Does not require highly skilled labor force, cost effective
Vapor permeable	Diffuses water vapor, resists blistering and peeling
Water-based	Easy clean-up

**COVERAGE:** 1600 - 2400 ft<sup>2</sup> (149 – 223m<sup>2</sup>) per coat per pail to StoCast Wood (2 coats required).

Coverage will vary depending on application technique, waste factor, final film thickness, and other variables that may exist.

**Colors:** 15 standard colors. Custom colors available upon request. Refer to color chart for selections.

**Packaging:** 5 gallon (19L) Pail

**Shelf Life:** 12 months in original, unopened, properly stored container.

**Storage:** Store in a dry area, between 50 and 85°F (10 and 29°C) in original unopened container. Protect from direct sunlight, extreme heat [90°F (32°C)] and freezing.

## SURFACE PREPARATION

All surfaces must be structurally sound, clean, dry, and free of frost and surface contamination such as dust, dirt, salts, grease, oils, efflorescence, mold, algae, mildew, or any other condition that may affect adhesion. Use appropriate repair methods for the substrate to repair pitting, spalls, cracks, peeling, blistering, delamination, weak surface conditions such as laitance, water damage, or other defects that may exist. If pressure washing, follow necessary safety

precautions and adjust pressure to avoid damage to the underlying substrate. For mold, algae, and mildew removal, treat surfaces with a compatible commercial mildew removal and/or wash product, carefully following manufacturer's application and safety directions for use and handling, including any special requirements when used in preparation for application of paints and coatings.

## MIXING

Mix undiluted product for up to 3 minutes using a slow-speed drill and mixing paddle. Product may settle during storage or after several hours without use. Remix every 4 hours. DO NOT THIN OR DILUTE.

## APPLICATION

Apply only to structurally sound, clean, dry, properly prepared, frost-free surfaces at temperature between 50 and 90°F (10-32°C). Do not apply over damp surfaces or during rain, hail, or snow events or if rain, hail, or snow is imminent.

Always install a test area or mock-up under actual conditions of use to verify proper surface preparation, coverage, and aesthetics, for approval by the appropriate authority.

Apply with brush, roller, paint pad, or proper spray equipment in a continuous uniform coat, always working from a wet edge or architectural break to eliminate cold joints. Apply in two thin coats to achieve 2 mils DFT. Allow sufficient time for drying between coats. **IMPORTANT:** Application by brush is the preferred method of application for good penetration of the stain into the wood grain pattern. Remove drips promptly from bare areas of wood, as they will read through the finished surface if allowed to dry. Do not apply stain in thick sections, as this may produce streaking. Application in cool, damp or wet weather may result in a non-uniform appearance. Application in direct sunlight can cause rapid drying. Adjust work schedule accordingly.

## Drying

Product dries in 4-6 hours under normal drying conditions [70°F (21°C), 50% RH]. Drying time varies with temperature, humidity, and surface conditions. Cool or damp weather extends drying time. Hot or dry weather accelerates drying. Protect installed product from rain, freezing, and continuous high humidity until completely dry.

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### Clean Up

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

### LIMITATIONS

- Use only when surface and ambient temperatures are between 50 to 90°F (10-32°C) during application and drying period.
- Do not apply if the surface temperature is less than 5°F (2.8°C) above the ambient dew point temperature.
- Do not use on horizontal or below grade surfaces or where immersion in water may occur
- Do not use on roofs or roof-like surfaces
- Do not apply on damp or moist substrates.
- Do not apply in thick sections. Apply in two thin coats.
- Do not directly apply to wood, metal, concrete, masonry, or stucco surfaces; apply only to StoCast Wood and StoSignature Wood
- Efflorescence from portland cement-based substrates can cause staining or discoloration on the surface of applied coatings. Efflorescence is neither caused nor prevented by the Sto coating.
- Do not overcoat with solvent-based materials

### HEALTH & SAFETY

**Health Precautions:** Product is water-based. As with any chemical construction product, exercise care when handling.

**WARNING:** Causes eye and skin irritation.

**Precautionary Statement:** Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

**FIRST AID MEASURES:** Eye Contact: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.

**Skin Contact:** Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention. Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Store locked up.

**Spills:** Collect with suitable absorbent material such as cotton rags.

**Disposal:** Dispose of in accordance with local, state or federal regulations.

**Warning:** KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. Consult the Safety Data Sheet (SDS) on [www.stocorp.com](http://www.stocorp.com) for further health and safety information.

### LIMITED WARRANTY

This product is subject to a written limited warranty which can be obtained free of charge from Sto Corp.

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## TECHNICAL DATA

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULT*
Mold Resistance	ASTM D3273	No growth @28 days	No growth at 90 days
Salt Spray	ASTM B117	300 hours	No deleterious effects <sup>1</sup>
Water Resistance	ASTM D2247	14 days	No deleterious effects <sup>1</sup>
Tensile Adhesion	ASTM D4541	Greater than 15 psi (103 kPa) in StoTherm ci System	Greater than 15 psi (103 kPa)
Surface Burning (full StoCast Wood assembly – adhesive, plank, and topcoat)	ASTM E84	Flame Spread: ≤ 25 Smoke Developed: ≤ 450	Flame Spread: 0 Smoke Developed: 0
VOC	Calculation	Report Results	Gloss-130g/L, Matte-118g/L
* Results are based on lab testing under controlled conditions. Results can vary between labs or from field tests.			
1. No deleterious effects: no cracking, checking, crazing, erosion, rusting, blistering, peeling, or delamination.			

**Sto Corp.**

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**ATTENTION**

This product is intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. It should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, or for other construction activities beyond Sto's control. Improper use of this product or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to this product, and to the structure of the building or its components. **STO CORP. DISCLAIMS ALL WARRANTIES EXPRESSED OR IMPLIED EXCEPT FOR EXPLICIT LIMITED WRITTEN WARRANTIES ISSUED TO AND ACCEPTED BY BUILDING OWNERS IN ACCORDANCE WITH STO'S WARRANTY PROGRAMS WHICH ARE SUBJECT TO CHANGE FROM TIME TO TIME.** For the fullest, most current information on proper application, clean-up, mixing and other specifications and warranties