



# Advanced Semi-Transparent Stain FLD500

## DESCRIPTION

**Flood® Advanced Semi-Transparent Stain** is a premium-quality finish that provides long-lasting protection to wood with great moisture resistance. It contains a proprietary blend of oil and acrylic to combine rich penetration with excellent durability. The semi-transparent wood stain enhances the natural character of the wood, allowing the grain and texture to show through, in a wide variety of wood-toned and accent colors.

## FEATURES

- Advance formula that provides excellent adhesion to the wood surface
- Enhances the natural character of the wood, allowing some grain and texture to show through
- Durable acrylic resin that provides a mildew resistant coating while delivering peel and fade resistance
- Easy clean-up with soap and water

## WHERE TO USE

- New or weathered exterior wood
- Decks, docks, fences, trim boards, outdoor wood furniture and weathered vertical masonry
- Siding (solid wood and plywood, including T-1-11)
- For exterior use only

## COMPOSITION

- Acrylic Resin
- Not manufactured with lead or mercury containing materials

## SPECIFICATION DATA

### Color:

Custom Colors

### Clean-up Solvent:

Soap & Water

### Density:

9.16 lbs/gal (1.10 kg/L)

### VOC:

250 g/L (2.08 lbs/gal) maximum  
Refer to MSDS for regulatory VOC content of complete product line

### Solids:

Volume - 28% +/- 1%  
Weight - 37% +/- 1%

### Practical Coverage:

Apply at 250 - 400 sq ft/gal (6 - 10 m<sup>2</sup>/L).  
Actual coverage may vary depending on the type, age and texture of the wood and application method.

### Flash Point:

None

### Flame Spread Rating:

Class A (0-25) on non-combustible surfaces

### Dry Time 77°F (25°C) & 50% RH:

To recoat - 3 - 4 hours  
To light foot traffic - 24 - 48 hours  
To replace furniture - 72 hours  
Low temperature, high humidity or poor ventilation will increase these times. Avoid heavy abrasions immediately following application

### Shelf Life:

2 years maximum - unopened



**WARNING! HARMFUL OR FATAL IF SWALLOWED.**

Read Label and Material Safety Data Sheet Prior to Use. See other cautions on last page. DSF8-1100

# SURFACE PREPARATION

**GENERAL SURFACE PREPARATION:** Proper surface preparation is essential for the warranty to apply – see side of label for warranty details. All wood surfaces must be thoroughly clean, dry and free of dirt, grease, grime, mildew and previous coatings. Clean with **Flood Wood Cleaner/Brightener Concentrate**. To remove mildew, clean with a solution of 4 ounces of non-ammoniated detergent (TSP), 1 quart of outdoor bleach and 3 quarts of fresh water. Allow this solution to remain on the surface for 10-15 minutes, then rinse thoroughly with fresh water. **DO NOT MIX BLEACH WITH Flood Wood Cleaner/Brightener Concentrate.**

**NEW WOOD** - Many types of wood (such as redwood, red cedar, mahogany, douglas fir, etc.) contain a water soluble material which tends to migrate to the surface and discolor the stain, especially noticeable when using white or light colors. The discoloration is not harmful and can usually be removed with **Flood Wood Cleaner/Brightener Concentrate**. You may also allow new wood to weather for six months to a year before staining. After wood has weathered, clean with **Flood Wood Cleaner/Brightener Concentrate** then apply stain. New wood has a hard, shiny surface called mill glaze that prevents maximum penetration of a stain – to reduce this mill glaze and open wood so it can accept a stain, treat surface with **Flood Wood Finish Remover**, using 1 quart of **Flood**

**Wood Finish Remover** per 1 gallon of water. Rinse thoroughly and allow wood to dry 24 - 48 hours, or to have a moisture content of 18% or less before finishing.

**WEATHERED UNCOATED WOOD** - Clean to remove dirt and grime with **Flood Wood Cleaner/Brightener Concentrate**. Rinse thoroughly and allow wood to dry 24 - 48 hours, or to have a moisture content of 18% or less before finishing.

**PREVIOUSLY COATED WOOD** - Remove finish with **Flood Wood Finish Remover**. Follow **Flood Wood Finish Remover** label directions for proper application method. Sand, scrape, or wire brush loose, flaking or peeling finish. Pressure wash to remove excess dirt and other contamination. Allow wood to dry 24 - 48 hours, or to have a moisture content of 18% or less before finishing.

**WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear an NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).**

## DIRECTIONS FOR USE

### APPLICATION:

**CAUTION: Surfaces are slippery when wet. Use caution when walking on wet surfaces during application.**

Test wood for absorbency by sprinkling water on the surface – if water is absorbed within 30 seconds – 2 minutes, depending on climate, the surface is ready for finishing. If water is not absorbed, wait 30 days and re-test.

1. Before starting, test your color choice on a small area.
2. Buy sufficient product for the whole job and intermix all product together before starting to avoid color variance.
3. Stir before and periodically during application.
4. Do not thin.
5. Apply between 50° F (10° C) - 90° F (32° C).
6. Do not apply in direct sunlight, if rain, snow, heavy dew or low temperatures below 40° F (4° C) are expected within 48 hours.
7. Apply with a synthetic brush, roller (synthetic woven 3/8"-3/4" nap depending on surface texture) or airless sprayer (.013-.017 fluid tip /1300-1900 psi).
8. Apply an even coat, avoiding heavy application.
9. After sprayer or roller application, backbrush to improve penetration and uniformity of coverage.

10. If an additional coat is required, it may be applied after 3-4 hours.
11. **TWO COAT APPLICATION IS RECOMMENDED FOR OPTIMAL PERFORMANCE.**

**Note: Surface texture and absorbency of wood will affect transparency of finish. For a more transparent look, add up to 1 pint of water per gallon of stain for second-coat application.**

### COVERAGE:

Apply at 250 - 400 sq ft/gal (6 - 10 m<sup>2</sup>/L). Actual coverage may vary depending on the type, age and texture of the wood and application method.

### DRY TIME @ 77°F (25°C) & 50% RH:

Dries to touch in approximately 4 hours. Dries to light foot traffic in 24 - 48 hours. Wait 72 hours before replacing furniture. Low temperature, high humidity, thick films or poor ventilation will increase these times. Avoid heavy abrasions immediately following application.

### CLEAN-UP AND STORAGE:

Clean hands and tools immediately with warm, soapy water. Clean spills right away with a damp cloth. **KEEP FROM FREEZING.**

## PRECAUTIONS

**WARNING! HARMFUL OR FATAL IF SWALLOWED. ASPIRATION HAZARD - CAN ENTER LUNGS AND CAUSE DAMAGE. HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DIZZINESS, HEADACHE OR NAUSEA. CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. OVEREXPOSURE MAY CAUSE LIVER, KIDNEY DAMAGE. CONTAINS ETHYLENE GLYCOL WHICH CAN CAUSE SEVERE KIDNEY DAMAGE WHEN INGESTED AND HAS BEEN SHOWN TO CAUSE BIRTH DEFECTS IN LABORATORY ANIMALS. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN. NOTICE: This product contains solvents. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. DANGER - Rags, steel wool or waste soaked with Flood® Advanced Semi-Transparent Stain may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container. For emergency information call (800) 545-2643. Note: These warnings encompass the product series. Prior to use, read and follow product-specific MSDS and label information.** If sanding, wear a dust mask to avoid breathing of sanding dust. Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. Avoid contact with eyes and skin. If you experience eye watering, headaches, or dizziness, leave the area. If properly used, a respirator may offer additional protection. Obtain professional advice before using. Close container after each use. **FIRST AID:** For skin contact, wash thoroughly with soap and water. If any product remains, gently rub with petroleum jelly, vegetable or mineral/baby oil then wash again with soap and water. Repeat as needed. Remove contaminated clothing. For eye contact, flush immediately with plenty of water for at least 15 minutes. **Get medical attention.** If swallowed, **get medical attention immediately.** If inhalation causes discomfort, remove to fresh air. If discomfort persists or breathing difficulty occurs, get medical attention. **KEEP FROM FREEZING.**

DS468-0510

## SHIPPING

### FREIGHT CLASSIFICATION:

Paint, Freezable

### PACKAGING:

1 gallon (3.785 L)  
5 gallons (18.925 L)

### FLASH POINT:

None



Akzo Nobel Paints LLC, Strongsville, Ohio 44136



1-800-321-3444 • [www.flood.com](http://www.flood.com)

**LIMITATION OF LIABILITY** To the best of our knowledge, the technical data contained herein are true and accurate at the date of issuance but are subject to change without prior notice. We guarantee our product to conform to the specifications contained herein. WE MAKE NO OTHER WARRANTY OR GUARANTEE OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. Liability, if any, is limited to replacement of the product or refund of the purchase price. LABOR OR COST OF LABOR AND OTHER CONSEQUENTIAL DAMAGES ARE HEREBY EXCLUDED.