



Flood® CWF-UV® 5 Clear Wood Finish

Specification Guidelines



*See reverse side for limited warranty details.

MANUFACTURER

Akzo Nobel Paints LLC
15885 Sprague Road
Strongsville, OH 44136
PHONE: 1-800-321-3444
FAX: 1-440-297-8908
www.flood.com

PRODUCT DESCRIPTION

CWF-UV® 5 is a premium oil-based wood finish that protects and beautifies exterior wood. CWF-UV 5's advanced formulation guards exterior wood from its two biggest enemies – water and sun. CWF-UV 5 is fortified with Penetrol® which deeply enriches the wood with superior penetration providing maximum protection. Transparent iron oxides effectively absorb and block the harmful rays of the sun.

BASIC USES

- For exterior use only
- Weathered exterior woods including Cedar, Redwood and Pressure-Treated Wood
- Horizontal and vertical surfaces such as decks, siding, fences and furniture

TECHNICAL DATA

FINISH: Matte
VEHICLE TYPE: Oil/water blend
SOLVENT TYPE: Water
WT./GALLON: 8.2 lbs/gal
PHYSICAL STATE: Liquid
FLAMMABILITY: NA
COMBUSTIBILITY: Yes
FLASH POINT: > 175°F TCC
SHELF LIFE: 5 years unopened
CONTAINER SIZE: Gallon and 5-gallon
COLOR: Available in Natural (Toner Base) and Cedar Tone.
Tintable to 5 colors.
DRY TIME: 24-48 hours, depending on temperature and humidity
VOC: Does not exceed 550 g/L (4.6 lbs/gal); low VOC: does not exceed 350 g/L (2.9 lbs/gal); SCAQMD compliant: does not exceed 275 g/L (2.3 lbs/gal); use as is, do not thin

SURFACE PREPARATION

GENERAL DIRECTIONS:

1. Surfaces must be thoroughly clean, dry and free of dirt, grease, grime, mildew and previous coatings.
2. Remove mildew 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.
3. Clean weathered wood with Flood Wood Cleaner or Flood Dekswood® Deck Cleaner and Brightener.
4. Remove old finishes with Flood Wood Stripper or FloodPro Stripper/Cleaner.
5. After cleaning, allow wood to dry 48 hours or until it has reached a moisture content of 15% or less before finishing.

NEW WOOD SURFACES:

New wood surfaces have a hard shiny surface called mill glaze that prevents maximum penetration and bonding of a finish. To properly prepare the surface for application, treat with a solution of Flood Wood Stripper, diluted one quart per gallon of water. Test wood for absorbency by sprinkling water on the surface. If water is absorbed rapidly, the surface is ready for finishing.

WEATHERED WOOD SURFACES:

Uncoated wood surfaces that have weathered longer than six months require thorough cleaning before applying a finish. Use Flood Wood Cleaner or Flood Dekswood (according to label instructions), along with a pressure washer or stiff bristle brush to remove the loose fiber, dirt and other surface contaminants.

PREVIOUSLY COATED SURFACES:

Apply to bare wood surface or a weathered wood surface that was previously finished with CWF-UV 5. Other previous stain, varnish or sealers must be completely and thoroughly removed with Flood Wood Stripper or FloodPro Stripper/Cleaner per label directions before proceeding.

NOTE: Cedar and Redwood may darken with Flood Wood Stripper or FloodPro Stripper/Cleaner. If this occurs brighten with Flood Wood Cleaner or Flood Dekswood per label directions before proceeding.

LEAD STATEMENT

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 a 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.

APPLICATION TOOLS

- Brush: High quality, synthetic stain brush
- Roller: Synthetic, woven cover 3/8"-3/4 " inch
- Spray: Airless sprayer .017 - .021 fluid tip/ 1800-2100 psi or less



continued on reverse side



Flood® CWF-UV® 5 Clear Wood Finish

APPLICATION

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

1. Stir. Do not thin. Test color in small area.
2. Mix thoroughly before and periodically during application.
3. For color uniformity, intermix in one container, all product to be used on an entire section.
4. Cover everything you do not wish to coat, including plants and shrubs.
5. Apply between 50°F and 80°F.
6. Do not apply if cold and/or wet weather is expected within 24 hours.
7. Always work the entire length of a deck board or horizontal siding to a logical break, such as a window or door frame.
8. Vertical siding should be coated from top to bottom.
9. Never stop application in the middle of the board or wall.
10. Never apply in direct sun light or hot surfaces.
11. For external use only, do not use indoors.
12. Apply liberally with a brush or roller, then backbrush.
13. For porous or older wood. If required, apply a second coat before the first coat has dried (within 20 minutes).
14. After spray application, backbrush or backroll to improve penetration and uniformity of coverage. Remember, CWF®-UV5 is not a surface coating. It protects by penetrating the wood surface.

COVERAGE

- 150–250 sq. ft/gal (13.9-23.3 sq. m/gal)
- Coverage varies based on age and density of wood

DECK MAINTENANCE

- Most decks do not have to be coated every year
- A single coat of CWF-UV 5 every second to third year will be sufficient to refresh the natural beauty of your deck and to maintain protection
- Between recoats, a periodic cleaning with Flood Wood Cleaner or Flood Dekswood Cleaner to remove dirt and contamination will renew the appearance of the wood
- Surfaces with harsh exposures to the sun, weather or foot traffic will show wear more quickly than other areas – if this happens, clean effected areas with Flood Wood Cleaner or Flood Dekswood Cleaner and recoat as necessary, blending into areas which still have good color
- For general recoating follow directions in "General Surface Preparation" and "Application"

SIDING MAINTENANCE

- Vertical surfaces do not require annual maintenance
- Surfaces with harsh exposures to the sun and weather will show wear more quickly than other areas – if this happens, clean effected areas with Flood Wood Cleaner or Dekswood Cleaner and Brightener and recoat as necessary, blending into areas which still have good color
- Areas retaining good color do not need recoating
- Badly weathered areas may require 2 coats (apply the second coat before the first coat dries)
- Backbrush or backroll to improve penetration and uniformity of coverage

CLEANUP & STORAGE

- Cleanup with warm, soapy water
- Store unused portion in tightly closed container
- KEEP FROM FREEZING

DANGER – rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed, water filled metal container.

LIMITED WARRANTY

AkzoNobel Decorative Paints, USA warrants that CWF-UV 5 will protect against water damage, peeling, blistering, and graying of the surface due to ultraviolet light exposure for five (5) years on vertical surfaces such as fences and siding and three (3) years on horizontal surfaces as decks from the date of purchase if applied according to label instructions to properly prepared surface. This warranty does not cover wood that was water damaged prior to application of the product and graying due to surface mildew growth. If Flood CWF-UV 5 fails to perform as described above, AkzoNobel Decorative Paints, USA will, at its option, provide an equivalent amount of new product at no charge or refund the purchase price. This warranty does not include labor or the cost of application of any product, and in no event shall AkzoNobel Decorative Paints, USA be responsible for damages in excess of the purchase price. Claims must be made in writing and accompanied by proof of purchase. This warranty does not apply to problems caused by alteration of this product, accident, misuse, improper storage, abuse, or neglect. THERE ARE NO OTHER EXPRESS WARRANTIES. IN NO EVENT SHALL AKZO NOBEL DECORATIVE PAINTS, USA BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF THIS WARRANTY OR ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR USE. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation may not apply to you. This warranty gives you specific legal rights and you may have other rights which may vary from state to state.

WARNING! VAPOR HARMFUL. CONTAINS PETROLEUM DISTILLATES. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM, CAUSING DIZZINESS, HEADACHE OR NAUSEA. MAY CAUSE EYE, SKIN, NOSE AND THROAT IRRITATION. Use outdoors only, in well-ventilated areas. Avoid contact with eyes and skin, and inhalation of vapors. Close container after each use. If spray applying, follow equipment safety instructions and wear a NIOSH/MSHA respirator per manufacturer's directions. Change clothes and wash thoroughly when finished. First Aid: In case of eye or skin contact, flush with water continuously for 15 minutes. If inhalation causes dizziness or discomfort, leave area to obtain fresh air. In all cases, if irritation or discomfort persists, consult with a physician. If swallowed, do not induce vomiting and get medical attention immediately. In case of spillage, absorb with inert material and dispose of in accordance with local regulations. KEEP OUT OF REACH OF CHILDREN.



For additional information or assistance, write or call toll-free: 1-800-321-3444.

Akzo Nobel Paints LLC
15885 Sprague Road | Strongsville, OH 44136
www.flood.com

©2009 Akzo Nobel Paints LLC, All Rights Reserved.
® indicates a registered trademark of the AkzoNobel group of companies. Reorder #M04316 - 12/08



MATERIAL SAFETY DATA SHEET

prepared 10/26/10

Akzo Nobel Paints

15885 Sprague Road Strongsville, Ohio 44136

EMERGENCY TELEPHONE NO. (800) 545-2643

CWF UV5 CLEAR WOOD FINISH

FLD46X

HAZARDS IDENTIFICATION (ANSI Section 3)

Primary route(s) of exposure : Inhalation, skin contact, eye contact, ingestion.

Effects of overexposure :

Inhalation : Irritation of respiratory tract. Prolonged inhalation may lead to loss of appetite, mucous membrane irritation, drowsiness, dizziness and/or lightheadedness, headache, uncoordination, nausea, vomiting, central nervous system depression, intoxication, difficulty of breathing, severe lung irritation or damage, liver damage, kidney damage, convulsions, loss of consciousness, asphyxiation.

Skin contact : Irritation of skin. Prolonged or repeated contact can cause dermatitis, defatting. Possible sensitization to skin. Skin contact may result in dermal absorption of component(s) of this product which may cause central nervous system depression.

Eye contact : Irritation of eyes. Prolonged or repeated contact can cause conjunctivitis, tearing of eyes, redness of eyes.

Ingestion : Ingestion may cause lung inflammation and damage due to aspiration of material into lungs, mouth and throat irritation, mucous membrane irritation, dizziness and/or lightheadedness, headache, uncoordination, nausea, vomiting, diarrhea, gastro-intestinal disturbances, severe abdominal pain, apathy, central nervous system depression, respiratory problems, intoxication, difficulty of breathing, kidney damage, pulmonary edema, convulsions, loss of consciousness, acute poisoning, respiratory failure, cardiac failure, brain damage.

Medical conditions aggravated by exposure : Eye, skin, respiratory disorders, kidney disorders.

FIRST-AID MEASURES

(ANSI Section 4)

Inhalation : Remove to fresh air. Restore and support continued breathing. Get emergency medical attention. Have trained person give oxygen if necessary. Get medical help for any breathing difficulty.

Skin contact : Wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin. Repeated applications may be needed. Remove contaminated clothing. Wash contaminated clothing before re-use. Dispose of contaminated leather items, such as shoes and belts.

Eye contact : Flush immediately with large amounts of water, especially under lids for at least 15 minutes. If irritation or other effects persist, obtain medical treatment.

Ingestion : If swallowed, obtain medical treatment immediately.

FIRE-FIGHTING MEASURES

(ANSI Section 5)

Fire extinguishing media : Dry chemical or foam water fog. Carbon dioxide. Closed containers may explode when exposed to extreme heat or fire. Vapors are heavier than air and may travel long distances to a source of ignition and flash back. Vapors can form explosive mixtures in air at elevated temperatures. Closed containers may burst if exposed to extreme heat or fire. Rags, steel wool or waste soaked with this material may spontaneously catch fire if improperly discarded. Immediately after use, place soaked rags, steel wool or waste in a sealed water-filled metal container.

Fire fighting procedures : Water may be used to cool and protect exposed containers. Firefighters should use full protective clothing, eye protection, and self-contained breathing apparatus.

Hazardous decomposition or combustion products : Carbon monoxide, carbon dioxide, acrolein, aldehydes, toxic gases.

ACCIDENTAL RELEASE MEASURES

(ANSI Section 6)

Steps to be taken in case material is released or spilled : Comply with all applicable health and environmental regulations. Eliminate all sources of ignition. Ventilate area. Spills may be collected with absorbent materials. Evacuate all unnecessary personnel. Place collected material in proper

container. Spilled material is extremely slippery. Complete personal protective equipment must be used during cleanup. Large spills - shut off leak if safe to do so. Dike and contain spill. Pump to storage or salvage vessels. Use absorbent to pick up excess residue. Keep salvageable material and rinse water out of sewers and water courses. Small spills - use absorbent to pick up residue and dispose of properly.

HANDLING AND STORAGE

(ANSI Section 7)

Handling and storage : Store below 100f (38c). Keep away from heat, sparks and open flame. Keep from freezing.

Other precautions : Use only with adequate ventilation. Do not take internally. Keep out of reach of children. Avoid contact with skin and eyes, and breathing of vapors. Wash hands thoroughly after handling, especially before eating or smoking. Keep containers tightly closed and upright when not in use. Empty containers may contain hazardous residues. Ground equipment when transferring to prevent accumulation of static charge. Avoid spontaneous combustion of contaminated rags and other easily ignitable organic accumulations.

EXPOSURE CONTROLS/PERSONAL PROTECTION (ANSI Section 8)

Respiratory protection : Control environmental concentrations below applicable exposure standards when using this material. When respiratory protection is determined to be necessary, use a NIOSH/MSHA (Canadian z94.4) Approved elastomeric sealing- surface facepiece respirator outfitted with organic vapor cartridges and paint spray (dust/mist) prefilters. Determine the proper level of protection by conducting appropriate air monitoring. Consult 29CFR1910.134 For selection of respirators (Canadian z94.4).

Ventilation : Provide dilution ventilation or local exhaust to prevent build-up of vapors. Use explosion-proof equipment.

Personal protective equipment : Eye wash, safety shower, safety glasses or goggles. Impervious gloves, impervious clothing, boots.

STABILITY AND REACTIVITY

(ANSI Section 10)

Under normal conditions : Stable stable below 212 f (100 c). See section 5 fire fighting measures

Materials to avoid : Oxidizers, acids, bases. Acetaldehyde

Conditions to avoid : Elevated temperatures, driers, contact with oxidizing agent, freezing, sparks, open flame, ignition sources.

Hazardous polymerization : Will not occur

TOXICOLOGICAL INFORMATION

(ANSI Section 11)

Supplemental health information : Notice - 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.

Carcinogenicity : Stoddard solvent iic has been shown to cause kidney tumors in male rats in a national toxicology program (NTP) study. These tumors were associated with a specific protein, alpha- 2u-microglobulin. Because humans do not produce this protein stoddard solvent iic has not been classified as a human carcinogen. Contains formaldehyde, a potential cancer hazard. Rats exposed to formaldehyde via inhalation developed cancer of the nasal cavity. Evidence in humans is limited (nasal and nasopharyngeal cancer). Formaldehyde is listed as a carcinogen by OSHA, probable human carcinogen (group 2a) by IARC, and a known human carcinogen by NTP. Overexposure can cause eye, skin, and respiratory tract irritation, and skin and respiratory sensitization.

Reproductive effects : No reproductive effects are anticipated

The information contained herein is based on data available at the time of preparation of this data sheet which Akzo Nobel Paints believes to be reliable. However, no warranty is expressed or implied regarding the accuracy of this data. Akzo Nobel Paints shall not be responsible for the use of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and the health and safety of your employees and the users of this material. Complies with OSHA hazard communication standard 29CFR1910.1200.

Mutagenicity : No mutagenic effects are anticipated

Teratogenicity : Some laboratory test results have shown ethylene glycol to be an animal teratogen. However, an expert panel convened by the national toxicology program's center for the evaluation of risks to human reproduction (cerhr) conducted a review of the scientific literature and concluded that ethylene glycol does not present a significant concern with respect to developmental and reproductive toxicity in humans.

ECOLOGICAL INFORMATION (ANSI Section 12)

No ecological testing has been done by akzo nobel paints llc on this product as a whole.

Physical Data (ANSI Sections 1, 9, and 14)

Product Code	Description	Wt. / Gal.	VOC gr. / ltr.	% Volatile by Volume	Flash Point	Boiling Range	HMIS	DOT, proper shipping name
FLD465	cwf-uv5 natural 350 voc	8.24	332.79	74.61	none	212-417	*310	paint**protect from freezing**
FLD466	cwf-uv5 cedar 350 voc	8.27	333.05	74.44	none	212-417	*310	paint**protect from freezing**

Ingredients Product Codes with % by Weight (ANSI Section 2)

Chemical Name	Common Name	CAS. No.	FLD465	FLD466
1,2-ethanediol	ethylene glycol	107-21-1	1-5	1-5
poly(oxy-1,2-ethanediyl, alpha-4-nonylphenyl)- omega-hydroxy-, branched	glycol ether	127087-87-0	1-5	1-5
formaldehyde	formaldehyde	50-00-0	LT .01	LT .01
solvent naphtha (petroleum), medium aliphatic	medium aliphatic solvent naphtha	64742-88-7	5-10	5-10
linseed oil, polymerized	linseed oil	67746-08-1	5-10	5-10
water	water	7732-18-5	50-60	50-60
stoddard solvent	mineral spirits	8052-41-3	1-5	1-5
acrylic copolymer	acrylic copolymer	Sup. Conf.	5-10	5-10
soya long oil alkyd resin	soya long oil alkyd resin	Sup. Conf.	5-10	5-10
proprietary blend of heat polymerized linseed oil	linseed oil blend	Sup. Conf.	5-10	5-10

Chemical Hazard Data (ANSI Sections 2, 8, 11, and 15)

Common Name	CAS. No.	ACGIH-TLV				OSHA-PEL				S.R. Std.	S2	S3	CC					
		8-Hour TWA	STEL	C	S	8-Hour TWA	STEL	C	S					H	M	N	I	O
ethylene glycol	107-21-1	not est.	not est.	100 mg/m3	not est.	not est.	not est.	not est.	not est.	not est.	n	y	y	y	n	n	n	n
glycol ether	127087-87-0	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	y	n	y	n	n	n	n
formaldehyde	50-00-0	not est.	not est.	0.3 ppm	not est.	0.75 ppm	2 ppm	not est.	not est.	not est.	y	y	y	y	n	y	y	y
medium aliphatic solvent naphtha	64742-88-7	100 ppm	not est.	not est.	not est.	500 x ppm	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
linseed oil	67746-08-1	not est.	not est.	not est.	not est.	5 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
mineral spirits	8052-41-3	100 ppm	not est.	not est.	not est.	500 ppm	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
acrylic copolymer	Sup. Conf.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
linseed oil blend	Sup. Conf.	not est.	not est.	not est.	not est.	5 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n

Footnotes:

C=Ceiling - Concentration that should not be exceeded, even instantaneously.

S=Skin - Additional exposure, over and above airborne exposure, may result from skin absorption.

n/a=not applicable

not est=not established

CC=CERCLA Chemical

ppm=parts per million

mg/m3=milligrams per cubic meter

Sup Conf=Supplier Confidential

S2=Sara Section 302 EHS

S3=Sara Section 313 Chemical

S.R.Std.=Supplier Recommended Standard

H=Hazardous Air Pollutant, M=Marine Pollutant

P=Pollutant, S=Severe Pollutant

Carcinogenicity Listed By:

N=NTP, I=IARC, O=OSHA, y=yes, n=no