



1. Product Name

Ultra Flagship UV 450

2. Manufacturer

WOOD KOTE PRODUCTS INC
8000 NE 14th PI (97211)
PO Box 17192
Portland OR 97217
Tel: (800) 843-7666 (USA & Canada)
Tel: (503) 285-8371
Fax: (503) 285-8374
info@woodkote.com
www.woodkote.com

3. Product Description

BASIC USE

Ultra Flagship UV 450 is intended for professional use only. It is formulated for exterior and interior wood surfaces especially those surfaces that are subject to heavy wear such as doors, windows, floors and above waterline marine surfaces. Ultra Flagship UV 450 may be applied to bare, bleached or stained wood. It is compatible with a variety of other Wood Kote products. Please refer to the *Wood Kote Schedule of Product Compatibility and Recommended Dry Times*. Ultra Flagship UV 450 & 250 comply with the US Environmental Protection Agency (EPA) Volatile Organic Compound (VOC) emission requirements for Architectural and Industrial Maintenance coatings.

ADVANTAGES

- Brush or spray
- Durable
- Easy to clean
- High UV resistance

COVERAGE

One application of Ultra Flagship UV 450 will cover approximately 400-500 sq ft/gal (9,8-12,2 m²/L). For best results, 3-4 coats are recommended.

COMPOSITION & PROPERTIES

Ultra Flagship UV 450 is almost pure polyurethane resin formulation with only a small percentage of modifying resin. Ultra Flagship UV 450 contains the maximum effective quantity of two UV (ultra violet) inhibitors. It is intended for application without thinning. If thinning is desired, PolySolvent (mineral spirits) should be used or, if regulations require a VOC-exempt thinner, use AceThin (acetone).

TYPES

Ultra Flagship UV 450 is available from the factory in Clear in 3 sheens. The sheen levels of Ultra Flagship UV 450 can be reduced with PolyFlat 450 (flattening agent). It is also available in aerosol (Flagship UV).

SIZES

Ultra Flagship UV 450 is sold in 12-fl oz (335ml), 32-fl oz (946ml), 1-Gal (3,8L), 5-Gal (19L) and 55-Gal (208,5L) metal containers. Flagship UV is sold in 11.5-oz (326gm) aerosol.

4. Technical Data

PHYSICAL PROPERTIES

See table 1

5. Installation

Complete installation specifications and recommendations are available from the manufacturer.

PREPARATORY WORK

Applicator Qualifications

All work shall be performed by skilled tradesmen experienced in performing work of this type and under the direction of a capable foreman.

Samples

For each finish system indicated at least two 8-1/2"x11" (19x24,6 cm) pieces should be provided for approval. If it is apparent conditions may allow substantial variations, a sufficient number of samples should be created to indicate the parameters of the variations. Those samples marked "approved" by architect/specifier shall serve as the standard for similar work throughout the project.



Inspection

Verify all surfaces to be finished will be maintained within a temperature range of 45-80°F (7-27°C) during application and curing period. Verify all surfaces to be finished are clean and dry. Use an electric moisture meter to test all wood surfaces. Do not proceed if reading is higher than 15% without written permission from architect/specifier.

Surface Preparation

Sand all wood surfaces in the direction of the wood grain with the appropriate abrasive grit specified on the finish schedules (usually between 80-220 grit). Sand all wood surfaces until all machine marks and glue are removed and each species has achieved a uniform smoothness without rough or burnished areas. Remove all sanding dust from the surfaces to be finished and from the work area.

Mixing

Satin and Matte sheens should be thoroughly mixed prior to application. Please refer to *Wood Kote Lacquer & Polyurethane Stirring and/or Mixing Instructions*.

APPLICATION

Ultra Flagship UV 450 is formulated to be applied by hand in-shop or on-site with a high quality natural or synthetic bristle brush designed for polyurethane application, with spray equipment that is designed for polyurethane, or from the





aerosol container. Each coat should be applied at 0.003" (0,07 mm) wet film thickness in a manner that each application is uniform in sheen and color, must be free from sags, runs, bubbles or other defects detrimental to appearance or performance. DRY TIME: is calculated at 68-72°F (20-22°C) at sea level and at 40-50% relative humidity. (Approx. 8hrs) Consequently, required dry time will increase with lower temperatures and/or higher elevation and/or humidity.

PRECAUTIONS

For on-site application, be certain local applicable VOC regulations do not supercede Federal regulations. Be certain that on-site conditions allow for adequate ventilation and pose no threat of fire or other health hazards. Ultra Flagship UV 450 will amber over time and with exposure to light. Therefore, Ultra Flagship UV 450 is NOT recommended for application on white or pastel surfaces. The effectiveness of the UV inhibitors in Ultra Flagship UV 450 will diminish with exposure to light. In order to renew the UV inhibitors and thus preserve the integrity of the coating, subsequent maintenance applications of Ultra Flagship UV 450 must be applied before there is visible deterioration of the coating. Polyurethane gloss levels are sensitive to temperature, barometric pressure and method of application (brush or spray). To avoid variations in gloss levels it is recommended that each application of polyurethane be applied

continuously to the entire project using the same application method. Ultra Flagship UV 450 has been tested on a very limited number of substrates (and coatings). In addition, a very limited number of coatings have been tested over this product. The applicator is responsible for testing suitability and performance for the specific application. In all cases, Wood Kote strongly recommends testing the entire finish system on an equivalent substrate before applying to the project. Ultra Flagship UV 450 should only be applied by qualified professionals who have read and understood this information. Before using any chemical, read its label and Safety Data Sheet (SDS).

CLEAN UP

Clean tools and surfaces with an absorbent cloth and PolySolvent, or if regulations require a VOC-exempt thinner, use AceThin.

6. Availability & Cost

AVAILABILITY

Ultra Flagship UV 450 is available through recognized Wood Kote retailers or directly from the manufacturer. A list of stocking dealers is available from the manufacturer and can be found on the manufacturer's web site.

COST

Cost information is available from recognized Wood Kote retailers or from the manufacturer.

7. Warranty

Ultra Flagship UV 450 is sold without warranty except that Wood Kote guarantees that the products are manufactured within the specifications provided herein. Unless Wood Kote warranties, in writing, specific products on an identified project, Wood Kote's liability is limited to the replacement cost of the product. The information provided

herein is accurate to the best of Wood Kote's knowledge or obtained by Wood Kote from sources believed by Wood Kote to be accurate. Wood Kote Products Inc does not assume any legal responsibility for use or reliance upon this information.

8. Maintenance

STORAGE

Keep in the original containers tightly closed when not in use and stored away from direct light at temperatures between 32-110°F (0-43°C).

CLEANING & REPAIR

Ultra Flagship UV 450 surfaces should be cleaned with mild soap and water. Surfaces may be repaired and maintained by lightly sanding the existing surface and applying subsequent coats in the manner outlined above. ANNUAL RECOATING is recommended (see precautions). Ultra Flagship UV 450 will not dissolve itself and therefore spot repair is not recommended. Entire surfaces should be evenly recoated to their edges.

DISPOSAL

Dispose of only in accordance with local, state and federal regulations.

9. Technical Services

Additional information is available directly from the manufacturer and from the manufacturer's web site.

10. Filing Systems

- Wood Kote–Product Catalog
- Additional product information is available from the manufacturer
- www.woodkote.com



Physical Properties Table 1

Product	Mfr No	COLOR	SHEEN	GLOSS @ 60°	% WT SOLIDS	VOC gm/L	FLASH PT
Ultra Flagship UV 450	325	Clear	Gloss	90-85	49.7	<450	105°F (40,6°C)
	375		Satin	40-30	50.9	<450	110°F (43,3°C)
	350		Matte	20-13	51.4	<450	110°F (43,3°C)
Flagship UV Aerosol	325	Clear	Gloss	87-82	14.9	N/R <67%	0°F (-17,7°C)
	375		Satin	40-30	21.7	N/R <67%	0°F (-17,7°C)
	350		Matte	20-15	26.7	N/R <67%	0°F (-17,7°C)

Wood Kote, Lite-N-Up, WoodPerfect, WoodBuddy, W-F-C, SprayLaq, KatLaq, Trans Kote, Jel'd Stain, Liqwid Stain, Dye Stain, Glaze Kote, BrushLaq, Jel'd Poly Kote, Ultra Poly Kote, Flagship, FloorEver, Clear and Clean, X-Link-R, MacroTint & MiniTint, Korrekt-O, Perfecto-O, LaqFlat, PolyFlat, LaqAdd, LaqThin, WashThin, AceThin, PolySolvent, Sta-Wax, Lin Soap, C-U-2 are registered trademarks or trade-names of Wood Kote Products Inc.