


TECHNICAL DATA SHEET

PRODUCT	OVER PRINT UV VARNISH FOR OFFLINE (BENZOPHENONE FREE) LOW MIGRATION FOR FOOD PACKAGING APPLICATION	 <p>F-1, Sarda Chamber-1, Central Market, Prashant Vihar (Rohini), Delhi -110085 (INDIA) Tel.: +91 11 27555991 - 99 Fax: +91 11 27555992 E-mail: sales2@chemlineglobal.com exports@chemlineglobal.com info@chemlineglobal.com</p>
BRAND	ULTRA GLOSS	
GRADE	UVF- 400L-303(45 sec)	

* Last updated on Dt. 01.01.2025

AREA OF APPLICATION

ULTRA GLOSS UVF- 400L-303(45 sec) has excellent gloss is suitable for fast curing for **full** over print coating of all types of printed-paper and paper boards & used on Anilox roller chamber coating system or 3 roller coater. It is applied through gravure coating system for flexible packaging. The product can be used for coating of mono-cartons, book titles, other packaging material and various types of labels used in labeling industry. Low Migration for food packaging Application.

SPECIFIC ADVANTAGES

- ✓ Pollution free, non-hazardous, eco-friendly.
- ✓ Excellent scuff resistance with good gloss and free of any residual tack.
- ✓ No organic solvent required as thinner, diluents or for cleaning of machines, hence economical.
- ✓ Colorless coating, no yellowish tinge on coated paper.
- ✓ Good anchoring of UV Varnish on all types of Printed Paper / Board/ Laminates.
- ✓ BP Free.

SPECIFICATIONS

Parameters	UVF 400L-303(45 sec)
Application	Full Over Print UV Varnish
Appearance	Translucent liquid, Free of Volatiles
Viscosity with B-4 Ford Cup (at 25°c)	45 ± 5 sec
Gloss (at 60 °C By NOVO Gloss meter)	85 ± 5
Scuff at 2.0 LBS/SQ"(Revolution)	Approx. 800 rev.(On all types of Printed Paper, Art paper)
	Approx. 400 rev. (On Al. Foil)
COF Value (in gm.)	Approx. 0.06
Odor	Odorless to sweet
Tape Test (15 mm wide Scotch tape)	Passes with Primer Coat
Nail Scratch resistance	Good with primer
Curing Speed	Up to 150 meter per minute
Coating weight(Wet)	2 to 4 gm. per sq. meter
Pack Size(Kg)	25 Kg Black Jerry Cane/ 200 Kg MS Drum
Shelf Life	One Year from the Date of Manufacturing.



APPLICATION & METHOD OF USAGE

Shake properly to homogenize this varnish before use. Coat printed paper surface with water based primer coat and then with UVF- 400L 303(45 sec) with normal varnish machine or any other coating method.

IMAGE OF PRODUCT AND PACKING

PRODUCT IMAGE	PACKING IMAGE
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UVF – 400L-303(45 sec)	25 kg Black Jerry Cane-Narrow Mouth
	

HEALTH AND SAFETY

- ✓ **ULTRA GLOSS grade is** non-toxic, non-hazardous and non-inflammable under normal conditions of use.
- ✓ Spillage in work place and on cloth should be immediately washed with UV wash.
- ✓ Proper ventilation should be provided in work area.
- ✓ Storage: keep away from high temperature, high humidity and direct sun-light; keep the container tightly closed.
- ✓ This product is non-self-ignition, non-corrosive and non-explosive. To avoid risk, wear mask and gloves while handling. Avoid direct touching and breathing. If skin is contacted, promptly and thoroughly flush skin with plenty of water and soap. If irritation persists, seek medical attention. If eyes are contacted, rinse eyes immediately with large amounts of water (or 0.9% sterile salt solution) for at least 15 minutes and contact physician as needed.
- ✓ Fire point: 102°C (method: ASTM D92). Fire-fighting material: foam or CO₂ extinguisher.

STORAGE: Store in air tight containers as supplied, storage should be between 10-35 °C. Product should be stirred well before use. Rotate stocks on first in first out basis. **Keep away material from direct sun rays or heat.**

NB: The above data/information and suggestions contained in this literature are based on our study and experience. We recommend that before using our products in full scale production, the customer should make his own tests to determine the suitability of the products. Our field staff and technical personnel shall be happy to assist you in conducting tests. **The specification given in the document is subject to be change due to continuous modification/ upgradation in the product.**