



TECHNICAL DATA SHEET (TDS)

TEKNOVACURE UV OVERPRINT VARNISH GLOSS UG SERIES

High quality curable UV overprint varnish with excellent curing ability in UV overprint varnish application of prints on paper, cardboard and some plastic surfaces such as PVC, OPP, PP, PE. It is suitable for both offset and flexographic applications.

*** Excellent ** Very good * Good

PRODUCT	BRIEF DESCRIPTION	Viscosity @20°C DinCup4	Viscosity @20°C NDJ Viscometer	Off-line printing	In-line printing	Benzophenone-free	Gluable Suitable for Ink-jet Printing	Rub Resistance	Scratch Resistance	Screen Printing	Hot Stamp Printing**	Solvent free	Flexibility	Ink Duct	Ribbon Printable	Slip	Low Migration*	Odour
UG 330X SERIES	Standard UV Overprint Varnish	50-70 sec.	275-350 cp	√	√		√	***	***	√	√	√	***			***	√	Low
BF UG 333X SERIES	Benzophenone-free UV Overprint Varnish	50-70 sec.	275-350 cp	√	√	√	√	***	***	√	√	√	***			***	√	Low
MV UG 310X SERIES	Medium viscosity UV Overprint Varnish	80-120 sec.	575-750 cp	√	√		√	***	***	√	√	√	***			***	√	Low
HV UG 320X SERIES	High viscosity UV Overprint Varnish	180-220 sec.	1000-1300 cp	√	√		√	***	***	√	√	√	***	√		***	√	Low
P UG 331X SERIES	Printable UV Overprint Varnish	50-70 sec.	275-350 cp	√	√		√	**	***	√	√	√	***	√		*	√	Low
VHV UG 340X SERIES	Very High viscosity UV Overprint Varnish	380-420 sec.	1500-2000 cp	√	√		√	***	***	√	√	√	***	√		***	√	Low

*Low migration is a data whose result varies depending on the surface. It should be tested.

** It is recommended to test before use for Hot Stamp Printing.

COMMON TECHNICAL INFORMATION

Gloss	>100 (60°C Gloss Meter) over Leneta Card
Liquid Appearance	Transparent
Cured Appearance	Clear film
Solid Content	100%
pH	8,0-9,0

STORAGE

Ideally, the appropriate storage temperature of the product should be +5°C / +30°C. The shelf life of the product is 6 months in its original packaging and under ideal storage conditions. Since it is a UV curable product, the package cover should not be left open. During the storage of the product, high temperatures should be avoided and it should be kept away from sunlight.

SAFETY

While using this product, please follow the advice and information given in the safety data sheet. Use adequate protective equipment to work with chemicals and follow hygiene measures at the workplace. Dispose according to local / regional / national regulations regarding the disposal of hazardous waste

PACKAGING

5 kg drum, 10 kg bucket, 20 kg bucket, 200 kg barrel, 1000 kg IBC

SUITABLE ADDITIVES

- *Teknovacure Additive Curing Accelerator UG 9000 (Curing ability increaser)
- *Teknovacure Additive Thinner UG 9010 (Thinner)
- *Teknovacure Additive Slip Effect UG 9020 (Surface lubricity increaser)
- *Teknovacure Additive Antifoam UG 9030 (Defoamer)

APPLICATIONS

TEKNOVACURE UV OVERPRINT VARNISH is designed to be applied through a variety of application systems, including roller coating machine, flat offset sheetfed press, flexo printing, letterpress printing and roll-to-roll offset printing machines. The recommended application is approximately 3-6 g/m² to achieve optimum brightness.

Stir well before use!

Make sure that the machinery and other materials used in the process are clean to prevent contamination during application.

It is recommended to test the compatibility with the system before using the UV overprint varnish. Alcohol or UV cleaning products* should be used for cleaning after printing.

*Alfa Eco Wash UV

*Nova UV Blanket and Roller Wash

*Turquoise UV Blanket and Roller Wash

The purpose of this technical document is to provide users with general information about the product. According to the experiments carried in our laboratory and in addition to our experience in the field, the data we have collected may not conform with the required application due to the several external factors. Therefore, these data cannot guarantee the suitability of the product for a particular purpose or the specific properties. The correct application for each product should be carefully checked for suitability. Therefore, this recommendation cannot be used as a basis for claims in law. It is the responsibility of the purchaser of our product to ensure compliance with all property rights, existing laws and regulations.