KRUVER

DATA SHEET

GENOVARNISH36KR	UV VARNISH MATT-KR

General Information

UV Varnish MATT-KR is a UV varnish developed for application in flexography. This coating has exceptional flow and leveling properties and excellent curing ability. It creates a smooth, even surface with a matte finish and high scratch resistance, with superior flexibility for engraving and bending. The polymerized film is opaque, smooth, resistant to scratches and chemical agents. The varnish can be hot rolled gold, printed with ribbon.

End Use:

Magazines, posters, brochures, flyers, packaging, labels.

Printable Media:

Paper, cardboard, coated film. (The surface tension of plastic films should not be less than 36-40 dyne/cm).

Typical Properties

Fast curing, printable, thermo-laminable, solvent-free, can be further processed immediately.

Reprintable	**Yes**	**Application**	**Flexography**
Re-imprintable	**Yes**	**In-line painting**	**Yes**
Thermo-laminable	**Yes**	**Recommended anilox**	**90-140**

Technical Data

Viscosity @ 23 C – Brook field	400-700 cps	**Appearance**	Light yellow
Viscosity @ 23 C DIN 4	70 – 80 sec	**Odor**	Typical
Responsiveness with Lamp. 120 W/cm2	40 mj/cm2	**Appearance Film**	Matte
Solid Content	100 %	**Gloss**	< 30 to 60° reflected

Recommended Applications

This varnish is developed to be used with flexo and letterpress machines equipped with a flexo unit. To obtain an optimal gloss, it is recommended to apply about 3-4 Gr/m 2 to the substrate.

Usage

Mix well before use. Check that machinery is clean to avoid contamination with other products or chemicals.

Drying

This paint is developed to dry at 100 m/min with two 160 Watt/cm lamps. Higher speeds can be achieved by installing more lamps on the machine. The substrate can affect the drying speed. It is always recommended to carry out tests to verify the compatibility of the paint with the inks and substrates used.

Cleaning

The machine and all parts in contact with the paint can be cleaned with alcohol or solvents for UV.

Durability and Storage

UV products must be stored tightly closed, away from sunlight, avoiding temperatures above 50°C. UV products are packaged leaving an air gap inside the drum to prevent spontaneous curing.
DURATION UNDER NORMAL CONDITIONS: 12 MONTHS

Security

UV products are generally considered to be non-toxic, however it is recommended to avoid inhalation of vapours and direct contact with skin and eyes. In case of direct contact with the skin, wash immediately with soap and water. It is recommended that you wear protective goggles and nitrile gloves while using the product. For more information, please refer to the safety data sheet.

Packaging

5 or 20 Kg drum

Transport

Non-dangerous goods. The product can be transported at freezing temperatures but must be brought to room temperature before use.

Considering the many factors involved during processing, such as environmental conditions, different types of supports, various uses of the finished product, we strongly recommend that you always carry out preliminary tests in order to prevent possible incompatibilities between products from causing production defects.
Our liability is limited by not being able to exercise any control during the printing process or the proper use of our products.