TECHNICAL DATA SHEET

GENOVARNISH1	UV VARNISH OVERPRINT

General Information

UV Varnish Overprint is a UV varnish developed for flexography application. The main characteristics of this paint are low yellowing, leveling and drying speed.
The polymerized film is very shiny, smooth, resistant to scratches and chemical agents. The varnish can be hot-rolled gold, ribbon printed, die-cut and creased.

End Use:

Magazines, posters, brochures, 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

Low odor, high gloss, reprintable, die-cut, creasable.

Reprintable	**Yes**	**Application**	**Flexography**
Re-imprintable	**Yes**	**In-line painting**	**Yes**
Thermo-laminable	**Yes**	**Recommended anilox**	**110-180**

Technical Data

Viscosity @ 23 C – Brook field	300 – 450 cps	**Appearance**	Transparent
Viscosity @ 23 C DIN 4	55 – 85 sec	**Odor**	Typical
Responsiveness with 2 Lamps. 160 W/cm2	120 mt/min	**Appearance Film**	Transparent film
Solid Content	> 100 %	**Gloss**	90+ at 60° reflection

Recommended Applications

This paint is developed to be used with flexo machines, coating machines and in offset wetting units. To achieve optimal gloss, you can
recommends applying about 3-7 Gr/m to the substrate.^{2}

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 120 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

25 Kg Drum – 1000 Kg Cistena

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.