



The UV varnish **TECHNOLAC TP 55** is a highly glossy UV-curing overprint varnish for high-quality finishings. It is especially indicated for thermal paper and it can be applied by means of a varnishing or flexographic machine provided with an UV-curing system.

The UV varnish **TECHNOLAC TP 55** can be used on conventional inks, as well as on UV inks printed on paper, cardboard or metallized products. When the application is on a non-absorbent substrate, the adhesion of this varnish should be previously checked.

The UV varnish **TECHNOLAC TP 55** is **NOT** advisable for reprinting, stamping, or sizing.

The use of the UV varnish **TECHNOLAC TP 55** on inks with a low physicochemical resistance, such as colours formulated with Rhodamine, Purple, or Reflex Blue, may cause the bleeding of the inks.

The UV varnish **TECHNOLAC TP 55** can be applied wet-on-wet on UV inks; however, it is **NOT** advisable to use it on line on conventional inks.

### **PRINTABLE SUBSTRATES**

- Paper
- Thin board
- Corrugated board
- Non porous substrates (metallized items, several plastics)

### **FINAL PROPERTIES OF THE VARNISH**

The gloss, the sliding capacity and the levelling properties are very good; while the yellowing, and the tendency to blocking in proper curing conditions are low.

### **TRANSFORMATION AND CROSSLINKING**

Curing is carried out in tunnels that are equipped with medium-pressure mercury lamps. The curing speed is 20 m/min per lamp of 80W/linear cm for a 7 $\mu$  product layer.



## TECHNICAL CHARACTERISTICS

Solids content	100 %
Viscosity (Ford Cup n° 4 at 25°C)	40-60 sec.
Viscosity (Brookfield at 25°C)	200-300 cPs
Curing speed	120 m/min with 2-3 lamps of 160 W/cm.
Flash Point	> 100 °C.
Physical form	Whitish liquid
Colour (Gardner)	≤ 2

## APPLICATION

The UV varnish **TECHNOLAC TP 55** can be applied by means of either a varnishing or a flexographic machine, or an offset printing machine with dampeners, all equipped with a UV curing system.

The rate of varnish depends on the base material to be treated. The usual quantity ranges between 3 and 7 g/m<sup>2</sup>.

## CLEANING

Any part of the machine having been exposed to direct contact with the product ought to be cleaned with suitable solvents.

## PACKAGING

The UV varnish **TECHNOLAC TP 55** is delivered in 25 kg or 200 kg drums, as well as in 1.000 kg containers.



### **USEFUL LIFE AND STORAGE**

The UV varnish **TECHNOLAC TP 55** has to be kept **tightly closed in its original container and stored at a temperature between 5 and 20°C**. Direct exposure to the light or to the rays of sunlight, as well as a prolonged stay at temperatures above 40°C, should be avoided. Since the useful life varies a lot due to reasons beyond the manufacturing and the packaging processes of the product (storage conditions, carriage, etc), we guarantee the perfect condition of the product up to twelve months from its manufacture. Should the product be used after that date, some preliminary tests must be carried out.

### **SAFETY AND HANDLING**

Although the components of The UV varnish **TECHNOLAC TP 55** show a low DRAIZE irritation index, the product should be handled cautiously, avoiding the contact with the skin, particularly with the eyes. There is also a Safety Data Sheet available for this varnish.

### **REMARKS**

Owing to the variety of working conditions, of materials to be used, and of the different nature of the products involved in these operations, as well as to the different uses of the finished product, we recommend to carry out preliminary tests in order to check whether there is any incompatibility with the varnish during and after the varnishing process.

The information given herein is, to the best of our knowledge, true and accurate, but it is given as guidance only and is not to be taken as a warranty of results.