



The UV varnish **TECHNOLAC SK 55** is a highly glossy UV-drying silk screen varnish for paper, cardboard and polypropylene films. It stands out by reason of its high gloss, quick polymerization and high abrasion resistance. Its nature and properties make it useful for a variety of applications.

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

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

PRINTABLE SUBSTRATES

The UV varnish **TECHNOLAC SK 55** is suitable for overprinting inks, both for screen and offset in paper and board.

MESHES, FILMS AND SQUEEGEES

It is preferable to use photographic films and polyester meshes of 150-165 Th/cm to obtain optimum results. As regards the squeegees, the most suitable are those made of polyurethane, medium or high hardness.

TRANSFORMATION AND CROSSLINKING

Using 150 Th/cm meshes and an oven with two 80W/cm lamps the curing speed will be above 3.000 i.p.h.

VISCOSITY ADJUST

The varnish **TECHNOLAC UV SK 55** is applied with the suitable printing viscosity, further reduction is not necessary

STABILITY

The varnish **TECHNOLAC UV SK 55** is not flammable and have exceptional screen stability for several days, which avoids the need to clean with the resulting saving. However, the varnish should be protected from direct sunlight and contamination by dust in the atmosphere avoided.



TECHNICAL CHARACTERISTICS

Solids content	100 %
Viscosity (Ford Cup n° 4 at 25°C)	40-70 sec.
Viscosity (Brookfield at 25°C)	150-250 cPs
Curing speed	4.000 iph with 2-3 lamps of 160 W/cm.
Flash Point	> 100 °C.
Physical form	Whitish liquid
Colour (Gardner)	≤ 2

APPLICATION

The UV varnish **TECHNOLAC SK 55** can be applied either by means of a varnishing of a screen machine equipped with a UV curing system.

COVERAGE

Using 150 Th/cm meshes the coverage is approximately 14 gr/m².

CLEANING

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

FINAL PROPERTIES OF THE VARNISH

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

PACKAGING

The UV varnish **TECHNOLAC SK 55** is delivered in 25 kg or 200 kg drums.



USEFUL LIFE AND STORAGE

The UV varnish **TECHNOLAC SK 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 SK 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.