



The UV varnish **TECHNOLAC BA 280** is a highly glossy UV-drying silk screen varnish for paper, cardboard and polypropylene films that is especially formulated for relief effect and indicated for BRAILLE. It stands out by reason of its high gloss, quick polymerization and high abrasion resistance.

The use of the UV varnish **TECHNOLAC BA 280** 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 BA 280** is suitable for overprinting inks for screen printing in paper and board.

MESHES, FILMS AND SQUEEGEES

It is preferable to use photographic films and polyester meshes of 40 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 40 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 BA 280** is applied with the suitable printing viscosity, further reduction is not necessary.

STABILITY

The varnish **TECHNOLAC UV BA 280** 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)	250-300 sec.
Viscosity (Brookfield at 25°C)	1.300-1.900 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 BA 280** can be applied either by means of a varnishing of a screen machine equipped with a UV curing system.

COVERAGE

Using 40 Th/cm meshes the coverage is approximately 20 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 BA 280** is delivered in 5 kg or 25 kg cans.



USEFUL LIFE AND STORAGE

The UV varnish **TECHNOLAC BA 280** 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 BA 280** 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.