

Graphic Screen

ink

**Rub removable high slip
& high gloss varnish**

UVB07

**Rub removable high slip & high gloss varnish
for screen printing onto paper and board
preprinted with suitable Offset and Screen inks.**

FEATURES

- UV based
- High slip & high gloss finish
- Good scratch resistance
- Fast curing
- Outstanding surface toughness
- Suitable for printing on machine & manual printing

Substrate :

UVB07 is designed for “spot” varnishing of preprinted paper and board. It is essential that the substrate and ink combination is fully tested to ensure that it is suitable for overprinting.

**TEST UVB07 FOR SUITABILITY
BEFORE PRODUCTION RUN.**

SERICOL
More than ink...Solutions.
FUJIFILM

Applications:

Overprinting of suitable, Offset(litho) and screen inks.

Finish:

High gloss finish with high slip properties.

Thinning:

Not normally required(see reducers)

Mesh:

140.34 -165.34 monofilament. Using a finer mesh will decrease the coating weight and increase flexibility.

Stencil Type:

Any UV resistant stencil. Sericol Emulsions: Dirasol 915 (two pack), Dirasol 916(two pack)

Wash Up:

Wash up screens with SS-639 universal screen wash. This will ensure long life of stencils made with Dirasol emulsions.

Curing:

Approx 35 metres per minute through 165.34 PW mesh with 2 x 80 watt/cm2.

Curing Information:

The curing schedule quoted is typical for suitable modern UVdryers. Actual curing rates for UVB07 depend on a number of factors, (including film thickness, the number and type of lamps used including lamp emission spectrum, power and efficiency).

Weatherability:

UVB07 is designed for overprinting paper and board prints and therefore is not recommended for outdoor exposure.

Flexibility:

UVB07 is flexible and is suitable for most subsequent folding and creasing operations. The use of a coarse mesh will result in reduced flexibility due to an increase in film thickness.

Important: Pre-production tests should be conducted to ensure varnished prints are suitable for intended post-print fabrication.

Reducer:

UVB07 is designed to be press ready, and thinning may cause the varnish to drip through. However, should viscosity adjustment be essential, up to 5% ZE637 may be added.

Product Packing:

UVB07 is available in 1 kg & 5 kg pack size.

Coverage:

UVB07 should give a coverage of 100-120 m²/kg using a 140.34 PW mesh.

Properties:

Very high gloss levels with high slip, fast cure & outstanding surface toughness.

Co-use with other inks:

UVB07 should not be mixed with any other UV or solvent-based inks. Suitable offset and screen inks may be printed under UVB07.

Rub removable silver and other Rub Removable inks may be overprinted on UVB07

Substrates:

UVB07 is designed for “spot” varnishing of preprinted paper and board. It is essential that the substrate and ink combination is fully tested to ensure that it is suitable for overprinting, for the following reasons: -

a) Some additives such as waxes can render some inks unsuitable for application under UV cured varnishes such as UVB07. The result is “candling” - a flaking off of the varnish after post curing.

b) Inks, particularly offset inks, should be completely dry before overprinting, or delamination may result. This may take up to 72 hours for some offset inks.

c) Some resins used in some inks will not allow acceptable adhesion of UV cured varnishes such as UVB07.

d) Some clay coatings can lose adhesion to the paper or board after the application of varnish, causing it to crack when creased or guillotined.

e) Some pigments used in offset inks, such as Fanals (PMTA) and Reflex Blue are susceptible to “bleaching” by UV cured varnishes such as UVB07. It is therefore recommended that Fanal and Reflex blue are replaced with more resistant inks. This includes violet, purple, rhodamine and reflex blue shade offset inks.

Storage:

Containers should be tightly closed after use. UVB07 should not be stored in direct sunlight or near warm pipes. In the interest of maximum shelf life, storage temperatures should be between 10° C and 25° C. When stored in a cool environment the varnishes are expected to have a shelf life of approximately 12 months from the date of manufacture.

Important:

Stir well before every use. Due to the variety of materials that can be used, printers must ensure, prior to commencing a production run, that all components, that is board, inks and varnish, are fully compatible.

Safety and Handling:

UVB08 varnishes are: Formulated to be free from any known or suspected toxic, carcinogenic, mutagenic or reprotoxic chemicals. Formulated free from lead and other heavy metals
Comprehensive information on the safety and handling UVB08 is given in the appropriate Sericol Material Safety Data Sheet (MSDS), which is available on the Sericol Product Catalogue CD or upon request.
The MSDS should be consulted before handling any inks or chemicals.

Environmental Information:

UVB08 varnishes are free from heavy metals, do not contain ozone-depleting chemicals as described in the Montreal convention.

Important Note:

The information and recommendations contained in this product information sheet as well as technical advice otherwise given by representative of our company, whether verbally or in writing, are based on our present knowledge and experience. Such information/ technical advice is given in good faith, but without warranty, in view of the many factors that may affect processes or applications as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other materials vary.

For the same reason our products are sold without warranty and on condition that users shall make their own tests to satisfy themselves that the products will meet fully the particular requirements of the labels/ brands/ agencies of their clients and also that no proprietary rights and existing laws and legislation are violated.

Our advice does not relieve processors from the responsibility of carrying out their own tests and experiments, nor does it imply any legally binding assurance in respect of properties or suitability for a specific purpose or of the legal status of the listed products.

Our policy of continuous product improvement might make some of the information contained in this product information sheet out of date and users are requested to ensure that they follow current recommendations.

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Fujifilm Sericol India Pvt Ltd

- Has certification to the international Environmental Standard, ISO 14001.
- Is committed to minimizing the risk to users of our products, and also to minimizing the impact of our activities on the environment, from formulation through to production and supply.
- Regularly review and monitor our impacts and activities, setting objectives and targets as part of a continual improvement process.
- Is committed to reduce waste through better use of raw materials, energy, water, re-use and recycling.