

INKTECH

INNOVATION IN INK

PACKAGING INK SPECIALISTS

SUMMIT V4 TACTILE LACQUER

SOLVENT-BASED INK SYSTEM

Technical Data Sheet

INKTECH Ltd

Crawford Street
Rochdale, Lancashire
OL16 5NU, United Kingdom
sales@inktechinnovation.co.uk
+44 (0) 1706 868844

INKTECH B.V.

Minosstraat 19,
Tilburg
5048 CK, The Netherlands
sales@inktechbv.nl
+31 137370035

SUMMIT V4 TACTILE LACQUER

INKTECH
INNOVATION IN INK

SUMMIT V4 TACTILE LACQUER is a special effect solvent based lacquer for flexo and gravure coating onto BOPP, PET and PE films for end uses such as snack food packaging.

ADVANTAGES:

- Non migratory
- Excellent rough tactile finish.
- Excellent Matt effect
- Excellent tape adhesion
- Very good scuff resistance
- Low odour and solvent retention
- High Solids
- Excellent rheology
- Clean Printing
- Variable press speeds 100-350mpm
- Heat resistant between 180-220°centigrade
- Oil resistant to 180°centigrade (please consult your technical representative for exclusions and specific test data).

APPLICATION

1.The product is alcohol/ester reducible.

2.High volume anilox rollers and specifically engraved gravure cylinders are required for optimised effect. Please consult suppliers before printing.

3.Stir thoroughly before use and agitate during the print process. The product combines natural minerals to attain the required texture.

4.Ideally the anilox is required to release up to 35 micron particle size products. Recommend anilox = Nano Cell Structure x30 cm³/m² (20 volume).

5. Print speeds of 50 to over 300 m/min may be achievable dependent upon press drying capabilities and the solvent used for reduction.

SUBSTRATES

SUMMIT V4 TACTILE LACQUER is recommended for corona/plasma treated/Acrylic coated polyolefin films when surface printed on to white ink or direct to the substrate.

PRINTING PRESSES

SUMMIT V4 TACTILE LACQUER inks are suitable for Flexo presses equipped with all types of cylinders or anilox rollers, doctor blade or chambered blade printing. The **SUMMIT V4 TACTILE LACQUER** requires stirring before use and needs agitation through the print process. It combines natural minerals to attain the required texture. Ideally the anilox is required to release up to 35 micron particle size products. Recommend anilox = Nano Cell Structure x30 cm³/m² (20 volume).

SUMMIT V4 TACTILE LACQUER

INKTECH
INNOVATION IN INK

PREPARATION

The coating has to be at a minimum temperature of 15°C and should be reduced to obtain the required press viscosity. The mix has to be homogeneous to guarantee the required result and therefore it should be stirred well before use.

DILUTION AND WASH-UP:

Normal for gravure	2:1 / ethanol* : ethyl acetate
Normal for flexo	3:1 / ethanol*: normal propyl acetate
Fast reducer	3:1 / ethanol*: ethyl acetate
Slow reducer	1:1:1 n-propyl alcohol: n-propyl acetate: ethanol
Retarder	Ethoxy propanol or methoxy propyl acetate

VISCOSITY

The viscosity has to be adjusted to printing conditions (us of fountain roller or doctor blade / chambered blade for flexo, and the speed of the press:

Typical for Flexo

Zahn cup N°2 28 – 32 sec.

DRY RESIDUAL

Approximately 35% -40% solids but each product/blend will vary.

WASH-UP

Alcohol: Ester blends.

RESISTANCE PROPERTIES

SUMMIT V4 TACTILE LACQUER inks are not necessarily fully resistant to all post printing conditions that may be encountered. It is therefore necessary to indicate the resistance required at the time of ordering. C.O.A requested at time of order can be supplied quoting specification requirements.

SUMMIT V4 TACTILE LACQUER ink has not been designed for outdoor exposure.

SUMMIT V4 TACTILE LACQUER

INKTECH

INNOVATION IN INK

STORAGE:

Inks have to be stored in normal conditions outside the printing shop at a temperature of 10 to 30°C. The normal shelf life of pigmented

solvent based inks is 12 months and that of special inks (metallic's) about 3 months.

10°C ← → 30°C

WASTE DISPOSAL

Care should be exercised in the disposal of printing ink waste. This should be carried out in accordance with local waste regulations.

PACKAGING

SUMMIT V4 TACTILE LACQUER inks are typically supplied in 20kg metal buckets or drums however Inktech will accommodate bespoke packaging requirements. This can be arranged via our technical service personnel.

***Ethanol = Trade Specific Denatured Alcohol**

Inks are not suitable for direct food contact. For more information about food contact status and product regulatory compliance please refer to our General Regulatory Statement.

CONTACTS:

Technical

John Blair

john.blair@inktechinnovation.co.uk
+44 (0) 7469 933 405

Jayne Woosey

jayne.woosey@inktechinnovation.co.uk
+44(0) 1706 868844

Sales

sales@inktechinnovation.co.uk
+44 (0) 1706 868 844

www.inktechinnovation.co.uk



INKTECH LIMITED

Crawford Street
Rochdale, Lancashire
OL16 5NU, United Kingdom

INKTECH B.V.

Minosstraat 19,
Tilburg
5048 CK, The Netherlands

DISCLAIMER: March 2025. This information has been carefully compiled from experience gained in the laboratory and under commercial conditions. However, the product's performance and its suitability for the customer's purpose depend on the conditions of use and the material being printed. We recommend that customers satisfy themselves that each product meets their requirements in all respects before commencing a print run. Since we cannot anticipate or control the conditions under which our products are used it is not possible to guarantee their performance. All sales are subject to our standard terms and conditions of sale. We would point out that the information contained in this leaflet is only a recommendation and may need to be altered to suit the conditions and efficiency of the equipment employed. INKTECH's products are not designed for use in conjunction with those of any other ink maker or similar supplier unless agreed to in writing.