

SEBEK INKS

INKS & VARNISHES



Specialities

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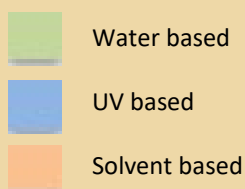
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This brochure gives you a complete overview of our most important specialties and varnishes.

Discover a wealth of functional and special effect inks & varnishes which help to create innovative, unique and eye-catching products.

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FLUORESCENT INKS



'Fluorescent' refers to the pigment that absorbs and reflects more light than conventional colours, resulting in brighter and more powerful shades.

A series of 7 different Fluorescent colours are available in most ink series. Yellow, orange, red, pink, magenta, green, blue

In waterbased inks:

- ▶ **SEBASTAR 103**
- ▶ **SEBAPLAST 102**
- ▶ **SEBATRANS 111**
- ▶ **SEBAPRINT 112**



in solvent based inks:

- ▶ **SEBOLITH 202:** a low odour ink designed for use on self-adhesive and rigid PVC, top coated polyester, acrylic and polycarbonate sheet, ABS and polystyrene
- ▶ **SEBOPROP 204:** a screen printing ink suitable for printing on treated PP and PE.

in UV inks

- ▶ **SEBUGLOSS 326**
- ▶ **SEBUSTAR 321**
- ▶ **SEBUFORM 327**



Remarks:

- ▶ Finish: matt
- ▶ Fluorescent inks are transparent and can only be used on white substrates
- ▶ Low light resistance and only suitable for indoor use or short periods outdoor.
- ▶ The light resistance can be slightly improved by overprinting the fluorescent colours with our protective varnish Sebolith 202.845.

PHOSPHORESCENT INK



A print made with a phosphorescent ink absorbs daylight and returns the absorbed energy by glowing in the dark.

All our inks are made with a high quality phosphorescent pigments which results in a long and bright afterglow.

- ▶ A yellow green afterglow is obtained.

- ▶ Available as

UV curing phosphorescent ink **330.470** for paper & plastics

As water based inks for textile **SEBATRANS 111.470**

- ▶ Water based paper & board ink **SEBASTAR 103.470**

- ▶ Or as solvent based for paper & plastics as **SEBOLITH 202.470**

- ▶ Mesh: 34-77



HYDROCHROMIC WHITE 343.750



► Hydrochromic white is a water-based white screen ink that changes from white to transparent when wetted with water and changes back to the original white when dried.

► Can be used to print on paper and textiles.

► On the textile drying at 150°C during 2 –3 minutes to get excellent fastness properties

► Mesh: P34 - 43

► To obtain a good opacity , two layers of white are required.



PHOTOCHROMIC INKS



A photochromic colour is invisible in daylight and appears in presence of UV light.

► Available in 4 colours

Yellow 510

Magenta 560

Blue 580

Violet 570

► Matt and invisible in daylight.

► Available as

Matt UV ink (**SEBUPHOTO 342V1**) for paper & plastics

Gloss UV ink (**SEBUPHOTO 342**) for paper & plastics

and as water based textile ink **SEBAPHOTO 129**



THERMOCHROMIC INKS



► SEBUTHERM 341 is a thermochromic ink available as water based UV ink and as 100% UV ink that can be printed on coated and uncoated paper and certain plastics such as PVC.

► These inks will change colour reversibly with changing temperatures.

► Warm thermochromic ink goes from coloured to colourless or to a another lighter colour, when the temperature is heated to the transition temperature. The ink returns to the original colour as it cools down.

► Cold thermochromic inks go from colourless to colour when the temperature is cooled down below its transition temperature. The ink returns to colourless, above this temperature.

► Several temperatures and colours available.



Type	Colour occurs at °C	Colour disappears at °C
5	1,0	12,0
10	8,0	16,0
15	11,0	19,0
20	16,0	26,0
25	22,0	31,0
27	24,0	33,0
37	32,0	41,0



► COLORS

YELLOW, ORANGE, RED, MAGENTA, BLUE, **BLACK**.

Black T25 /T27 are the most sold inks and mostly on stock. Other colors and temperatures are on demand.

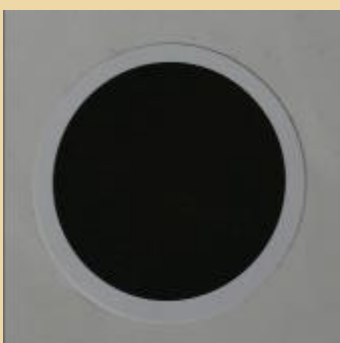
► Available as:

UV version (**SEBUTHERM 342**) - Glossy

Water based textile ink (**SEBATHERM 128**)

Water based paper & board ink (**SEBATHERM 130**) - matt

► Mesh: P 43-77.



SEBATEINT 125



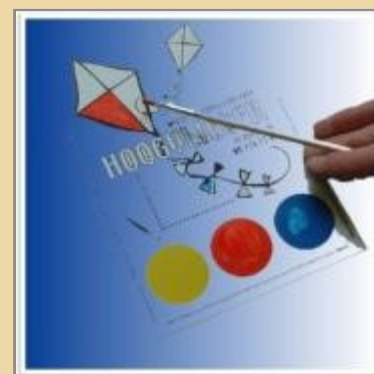
- FACE & BODY PAINT.** Screen print version for printing on cardboard.
 The printed patches can be resolved with a wet brush, sponge or finger to colour the face and body. The ink can also be applied directly on the skin.
 The film applied on the skin remains elastic.
- This product complies with the requirements of the EU Cosmetic Regulation (EC) No 1223/2009 and, in accordance with article 39 (transitional provisions).
- Available in 8 colours ; White , Black , lemon Yellow, gold yellow , Orange , Red , pink, blue
- Mesh: P 43
- FACE PAINT is used by supporters of various sports in order to make up their face with the colors of their favourite team.
- Delivered with cosmetic tests certificates and safety
- Many applications possible like, for example, sponsors cardboards holding the facepaint colours of your favorite team



AQUAREL 127

These water based aquarel inks are printed on coated cardboard with a relatively coarse mesh P 43
 Later, these printed inks can be totally dissolved with a wet pencil or brush to colour a preprinted design.

- A complete range of colours is available.



REFLECTIVE INKS



A range of reflective inks supplied in several ink series.

- ▶ Solvent base reflective light gray 202.700 for paper & plastics
- ▶ 200.701 is a transparent version suitable as reflective overprint varnish.

- ▶ Our reflective inks are also supplied in following ink series .
SEBAFLEX 110 - SEBASTAR 103 - SEBILON 512 - SEBILAC 410 -
SEBULAN 345 (UV version as 2 components)



- ▶ Mesh : 34-77

SEBOLITH STRIKE MATCH INK



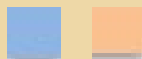
- ▶ Surfaces that are printed with the solvent based phosphorus ink SEBOLITH 202.633 are used for striking safety matches.
- ▶ Printing on paper, cardboard and many plastics.
- ▶ Available in two colours: Red Brown 202.633 and Black 202.633V1
Mesh: P77

- ▶ The ink should be diluted with 10 – 20 % Normal Reducer 020 or Slow Reducer 030

- ▶ Mileage mesh P 77 will be around 25 m²/kg



BOARDBLACK INK



- ▶ UV and solvent based ink for paper & plastics.
- ▶ Matt surface writable with cray.
- ▶ Sebumat 322 standard as UV ink printed with mesh140.34.
- ▶ SEBOLITH 202.653 as black solvent based ink. mesh P 90
- ▶ Other colours on demand.



RUB REMOVABLE INKS

SEBOSCRATCH 211

- A range of solvent based rub removable inks with excellent hiding power, used for the production of lottery tickets.
- Rub removable inks are normally printed over offset prints. Absorbent undergrounds must be avoided and should be varnishes first with our solvent based primer sebobprint 203.840 and our regular UV varnish 301.842V6 or UV release varnish 301.825
- Screen: 62-77 – 30- 35m²/kg.
- Fast drying
- Matt finishing
- Excellent screen stability
- Highly covering.
- Our standard Rub removable silver 211.670 (V1) is compliant with the European toy safety standard EN 71/3 (2013)

Colour Range:

- Silver 211.670 standard soft version
- Silver 211.670V1 a more harder version.
- Silver 211.670V2 Glossy metallic shade version
- Gold 211.770 : Standard soft version
- Gold 211.770V3 : Gloss metallic shade version
- Black 211.650 : a black standard version
- White 211.750 : white standard version



SEBUSCRATCH 311

- A range of silver and gold UV based rub removable inks with excellent hiding power, used for the production of lottery tickets or promotional cards.
- The substrate should always be varnished prior to the application of the rub removable inks **311.670 (V1)** or **311.770**.
- As primer varnish we recommend our release varnish **301.825** or **301.842V1**,
- Silver **311.670** standard silver version supplied as 2 components (mixing ratio is 80 % varnish component A with 20 % ALU PASTE N°1 500.001)
- Silver **311.670V1** a one component version
- Gold **311.770**: Standard version, supplied as 2 components The mixing ratio is 75% varnish component A and 25 % RICH GOLD PASTE 501.001
- Screen : 77 or 90 - or 275 p in rotary screen printing



SEBASTAR SOFT TOUCH 103.815



- ▶ 103.815 is a newly kind of water based varnish, composed of a water-based functional modified polyurethane polymer.
- ▶ It is mainly used for advanced packaging printing products.
- ▶ Sebek's soft feel varnish is designed to achieve low gloss values, with excellent haptic feel, while maintaining excellent transparency.
- ▶ Excellent Rub and Mar Resistance (when crosslinked with 2 % crosslinker 105)
- ▶ Mesh: P77 -140



SEBOLITH BLISTER 202.846



- ▶ 202.846 is a blister varnish, ideal for PVC.
- ▶ Recommended types of mesh: P 77- P 120 depending on the porosity of the substrate.
- ▶ Drying: The varnish dry relatively fast but stackability is to be checked thoroughly at the end of the tunnel.
- ▶ All solvent-resistant films and emulsions can be use.
- ▶ Mileage: 30-40 m² per liter depending on the mesh and the printing.



SEBOLITH PROTECT VARNISH 202.845



- ▶ Protective overprint varnish , with excellent wheater resistance and light fastness.
- ▶ Non yellowing.
- ▶ Mesh: P 90

STAMP RECEPTIVE VARNISH 204.840V1

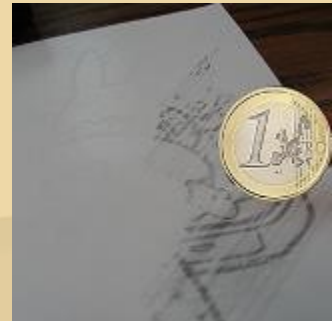


Solvent based matt varnish or white ink that is receptive for waterbased stamps
The matt surface ensures a quick drying of the stamp ink.
The surface is also receptive to ballpoint pens
Good adhesion on paper and plastics including PP laminate.
Mesh: P90

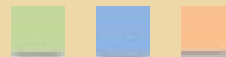
SEBOPRINT COIN REACTIVE



- ▶ The image printed with this varnish is revealed when the edge of a coin is rubbed over the ink.
- ▶ Matt appearance
- ▶ Mesh P 120 -150
- ▶ 204.840V1 is a solvent based varnish
- ▶ 301.843V4 is an UV varnish.



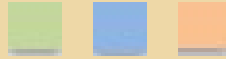
UNIVERSAL LUMINESCENT PASTE 098



- ▶ The paste is usually used to increase the whiteness of the inks.
- ▶ Also suitable for security applications.
- ▶ Under a „ultraviolet „Wood“ Lamp a bluish color appears.
- ▶ 2-3 % can be added to any water- , solvent- , UV- or plastisol based inks and varnishes.
- ▶ A ready for use luminescent UV varnish is **301.835V1**



METALLICS



A broad range of metallics effects is available.

All kind of silver and gold effects, including mirror silver. Fine, coarse particles, high gloss

► **Sebulux 330.677** is a highly opaque mirror silver (Mesh P165)

By overprinting the silver 330.677 with our Yellow colour **Sebugloss 326.521** a super high gloss gold can be obtained.



► In our range for textile we offer our standard silver **111.670** and gold **111.670**, and the high gloss silver **111.672** and gold **111.772**

► Silver pastes :

500.001: fine aluminium paste for high covering inks.

500.002: finer sparkling aluminium of 35 µm for fine glitter silver inks.

500.003: coarser sparkling aluminium of 55 µm for coarse glitter silver inks

500.004 : fine sparkling aluminium powder compatible with water based inks & varnishes

500.005 : fine aluminium powder suitable for water & UV based inks and varnishes

► Gold pastes

501.001: fine **Rich gold** bronze powder (10 µm)

501.002: fine glitter **Rich gold** bronz power (35 µm)

501.011: fine **Pale gold** bronze powder 10 µm

► Copper paste

503.001: A fine copper gold paste.

► Pearlescent powders

PEARL SILVER 502.001: a fine pearlescent silver (5-25 µm)

PEARL SILVER 502.002 : a coarser pearlescent silver (10-60 µm)



UV GLOSS VARNISHES



A range of spot UV varnishes with high gloss and fast curing, resulting in clear films with a good resistance to water, solvents and other chemicals.

Overprint varnishing of offset , paper & board and PVC including self-adhesive foils.

► **301.842V1**

General UV varnish with good levelling and excellent adhesion on paper and plastic.
Good surface hardness
good weather resistance - suitable for 1-1,5 year outdoor exposures

► **301.842V11**

Multi purpose UV varnish with excellent adhesion properties and good flexibility.
Excellent levelling on flat bed machines
Viscosity : 7000 mPa.s at 20°C

► **301.842V12**

Multi purpose UV varnish with excellent adhesion properties and good flexibility.
good flexibility.
Suitable for Vinyl, PVC, PS, paper & board .
Excellent levelling also on high speed printing cylinder machines
Most suitable overprint varnish for digital prints.

► **301.842V6**

Multi purpose Screen UV overprint varnish with excellent adhesion on offset
High reactivity
Low viscosity - 400 mPa.s
High slippery surface

► **301.842V17**

Glossy screen UV varnish with very low odor
Free from Benzophenone and the formulation is low migration after UV curing
Good reactivity / Non yellowing
Adhesion on paper & board and PP film if the surface tension is 38 dynes/cm or higher



UV MATT VARNISHES

A range of matt spot UV varnishes

► **301.843V1**

Low viscosity mat UV varnish with good reactivity
Silicone free
Accept hotstamping.
Good adhesion on paper and plastics.

Mesh : 140—165

► **301.843V5**

Thixotropic mat UV varnish
Good flexibility
Can be used as mat braille varnish
Deep matt aspect also when printed in thicker layers

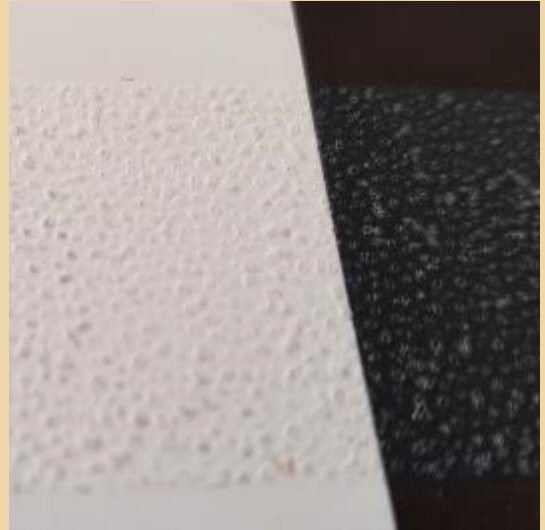
Mesh : 34—150

STRUCTURE VARNISHES



SEBUSCREEN COARSE STRUCTURE 301.819

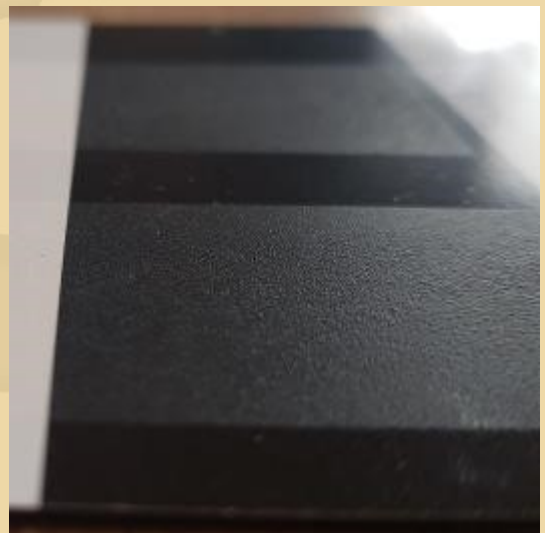
- ▶ Transparent Varnish, non-yellowing, satin coarse surface.
- ▶ A coarse structure varnish, creating an sand imitation effect with a high degree of roughness.
- ▶ The varnish should be printed with a coarse mesh 21 or 34.
- ▶ Best to be used on paper of 300 g or more
- ▶ Finishing : gloss
- ▶ **301.819V2** is a matt coarse structure varnish.



V1

SEBUSCREEN FINE STRUCTURE 301.819V3

- ▶ A matt UV varnish, creating an effect of fine structure and roughness.
- ▶ Matt appearance.
- ▶ The varnish should be printed with a mesh 43 -77



V3

SEBUSCREEN BRAILLE 301.811V3



- ▶ **301.811V3** is a flexible UV relief varnish with medium viscosity.
- ▶ Highly flexible and ideally suitable for printing very thick layers; e.g Glitter and 3D printing.
- ▶ High gloss with excellent levelling even on faster cylinder printing equipment.
- ▶ Medium reactivity
- ▶ Non yellowing.
- ▶ Viscosity: 7000 Mpa.s
- ▶ Suitable for All kinds of paper and board; Top coated PP & PE; PVC & self-adhesive foils; PE lamination foil with 3 % hardener 100.



SEBUSCREEN ANTISLIP 301.820



- ▶ Sebuscreen antislip 301.820 is an UV curable varnish, which prevents the substrate slipping when applied to plastics and paper.
- ▶ 301.820 cures to give a smooth, anti-slip coating with a clear water white appearance.
- ▶ The varnish is highly recommended for printing on the back of mouse pads, creating an antislip. It prevents slipping and can also be used for any other anti-slip purpose
- ▶ Mesh : 43—77

SEBUSCREEN ADHESIVE 301.821



- ▶ Sebuscreen adhesive **301.821** is an UV curable glue, which cures to a permanently tacky adhesive.
- ▶ 301.821 exhibits excellent adhesion to a wide variety of materials, like paper, board and many plastics, like soft and rigid PVC, polystyrene, Acrylic, ABS, PC, PET, PETG, as well as screen and offset inks.
- ▶ Mesh: 43-90

AROMA UV VARNISH



A UV varnish that can be mixed with aroma fragrance capsules to make a screen printign aroma ink.
Our low odor UV varnish 301.842V17 can also be used.

SEBUSCREEN ANTI SKID 301.822

- Sebuscreen 301.822 is an UV curable varnish, which cures to a matt, light structured surface with a very high scratch resistance.
- Mostly used for anti-slip floor stickers, they can also be used in decorative applications.
- For floor stickers, an image is screen printed on a suitable self adhesive label and the varnish comes as topcoat over it to protect the image and to prevent the pedestrian from sliding out onto the otherwise flat and slippery surface.

- The varnish has a tested usage life cycle varying between 6 months and 2 years, depending on the circumstances (frequency of walk-over, dry or wet conditions, quality of the vinyl, properties of the under laying inks).

- Matt surface
- Excellent printability and levelling
- Non yellowing
- Good flexibility, no curling or embrittlement will occur
- Mesh: P 77 or P 90 is recommended



SEBUSCREEN ANTI PENETRATION 301.830

- UV Varnish specially designed for printing on strongly absorbing papers. 301.830 makes it possible to obtain glossy spot varnishes, printed in 1 layer.

- Mesh : P 77 - P 120



SEBUSCREEN DRY WIPE 301.842V10

- 301,842V10 is a UV varnish that can be used to produce a surface that can be written with dry erase markers and erased easily afterwards to reuse
- Polymerising slowly or twice under the UV bulb will yield better results
- Suitable for PVC and PC and certain PS surfaces.

- Mesh: P140—P 165

SEBUSCREEN FOAM 301.831



- ▶ Foam imitation UV varnish with stable, reproducible foam effects. The effect depends on the surface tension of the underground.
- ▶ Reactivity 15 -20 m/Min - 1 lamp 120 W/cm.
- ▶ To obtain better adhesion and a better scratch resistance, the addition of 5 % of hardener 100 is recommended
- ▶ Mesh: P 43- 90

Foam varnish 301.831



SEBUSCREEN FOAM 301.831V1



- ▶ Foam imitation UV varnish with stable, reproducible foam effects.
- ▶ 301.831V1 is more matt and gives a kind of leather imitation structure varnish. ▶ The effect depends on the surface tension of the underground.
- ▶ Reactivity 15 -20 m/Min - 1 lamp 120 W/cm.
- ▶ To obtain a higher scratch resistance , the addition of 5 % hardener 100 is recommended
- ▶ Mesh: P 43 - 90

