



UV INKS

EPTAINKS



TOPICS

UV INKS RANGE

SCREEN PRINTING INKS

OVERPRINTING VARNISHES

CHOICE OF A UV INK

DESIRED EFFECTS – EXAMPLES OF PRINTING





THE RANGE OF UV PRODUCTS MAY BE DIVIDED IN:

- SCREEN PRINTING INKS
- OVERPRINTING VARNISHES













UV INKS

SCREEN PRINTING INKS

PRODUCTS

-  UNIFAST SERIES 32.000
-  NOVACURE SERIES 39.000
-  THERMOFORM SERIES 101.000
-  UV TECH SERIES 105.000
-  DURAFLEX SERIES 106.000
-  UV FLAT SERIES 109.000
-  UNIFLUTE SERIES 120.000
-  UV GREAT SERIES 122.000





SCREEN PRINTING INKS

Excellent opacity
Flexible
Quick curing
Free from HDDA, TMPTA

TECHNICAL FEATURES

PRINTING SUBSTRATES

Paper, cardboard, PVC, ABS, PMMA, and PET-G

Glossy ink
Excellent chemical resistances
Good outdoor resistances
(for more info about the resistances refer to the technical data sheet)

GENERAL FEATURES

INDUSTRIAL APPLICATIONS

Screen printing of advertising, POP, stickers and labels. Print reel-to-reel with Flat-Bed machines

UNIFAST SERIES 32.000

AUXILIARIES

DILUENTE REATTIVO 32.900
FOTOINIZIATORE CONCENTRATO 100.978
PROMOTORE DI ADESIONE 106.835
PROMOTORE DI ADSIONE 100.972

COLOUR RANGE

Blacks and whites
Opaque colours
Four-colour process



SCREEN PRINTING INKS

Excellent opacity
 Excellent adhesion
 Excellent chemical resistances to alcohol and fuels
 System of bases for the reproduction of colour references (colormatic)
 Specific for bottles

Glossy ink
 Excellent chemical resistances
 Good outdoor resistances
 (for more info about the resistances refer to the technical data sheet)

NOVACURE K SERIES 39.000

GENERAL FEATURES

AUXILIARIES

DILUENTE REATTIVO 100.900
 FOTOINIZIATORE CONCENTRATO 100.978
 PROMOTORE DI ADESIONE 90.908

TECHNICAL FEATURES

PRINTING SUBSTRATES

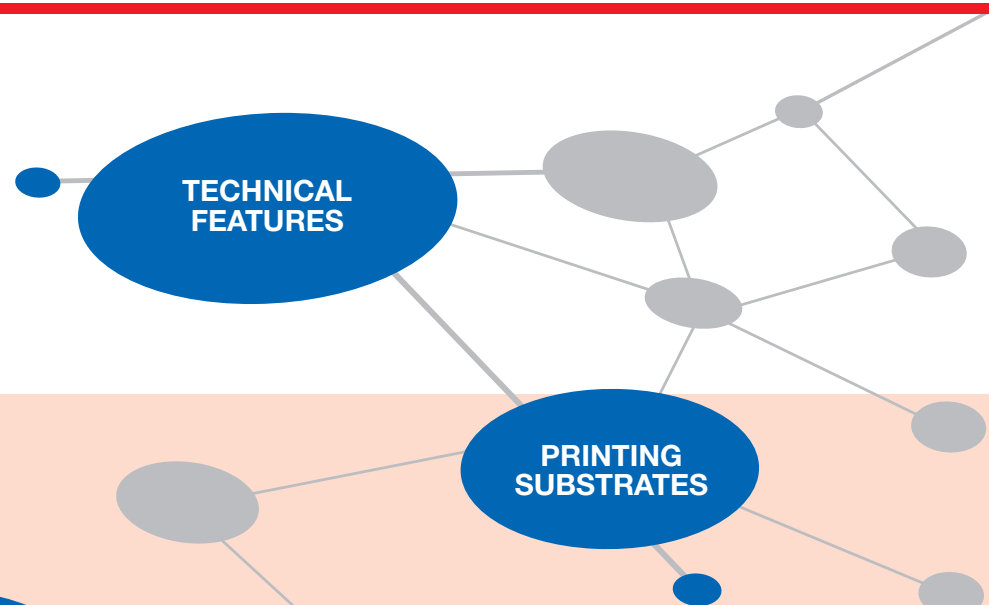
PP (Treated)
 PE (Treated)
 HDPE (Treated)

INDUSTRIAL APPLICATIONS

PP, PE, HDPE, LDPE treated.
 For bottles

COLOUR RANGE

Blacks and whites
 Opaque colours
 Four-colour process
 Colormatic





SCREEN PRINTING INKS

Good opacity
 High thermoformability
 High elasticity of the applied film
 Free from NVP
 System of bases for the reproduction of colour references (colormatic)

Glossy ink
 Good outdoor resistances
 (for more info about the resistances refer to the technical data sheet)

TERMOFORM SERIES 101.000

GENERAL FEATURES

AUXILIARIES

DILUENTE 101.900
 HI-FORM REACTIVE 101.901
 FOTOINIZIATORE CONCENTRATO 100.978

TECHNICAL FEATURES

PRINTING SUBSTRATES

Thermoformable plastic materials (PS, PC, PVC, PETG, PMMA and ABS)

INDUSTRIAL APPLICATIONS

Thermoforming: advertising, POP, signs, cycling helmets and refrigerators

COLOUR RANGE

Blacks and whites
 Opaque colours
 Colormatic



UV INKS

SCREEN PRINTING INKS

Multipurpose
 Good adhesion on several substrates
 Excellent opacity
 Good gloss level
 No edge-curling
 System of bases for the reproduction of colour references (colormatic)

Glossy ink
 Excellent chemical resistances
 Good outdoor resistances
 (for more info about the resistances refer to the technical data sheet)

UV-TECH SERIES 105.000

GENERAL FEATURES

AUXILIARIES

DILUENTE REATTIVO 100.900
 FOTOINIZIATORE CONCENTRATO 100.978
 PROMOTORE DI ADESIONE 106.835

TECHNICAL FEATURES

PRINTING SUBSTRATES

Paper, PVC, PET, PS, ABS, PES, PC, PMMA, pre-varnished metal

INDUSTRIAL APPLICATIONS

Screen printing of advertising, POP, display, stickers and **membrane keyboards**

COLOUR RANGE

Blacks and whites
 Opaque colours
 Colormatic
 Four-colour process



SCREEN PRINTING INKS

Excellent opacity
 Excellent flexibility
 No shrinkage and no edge-curling
 Compatible with application-tape
 System of bases for the reproduction of colour references (colormatic)

Glossy ink
 Good chemical resistances
 Good outdoor resistances
 (for more info about the resistances refer to the technical data sheet)



GENERAL FEATURES

AUXILIARIES

DILUENTE REATTIVO 100.900
 FOTOINIZIATORE CONCENTRATO 100.978
 PROMOTORE DI ADESIONE 106.835
 PROMOTORE DI ADESIONE 100.972

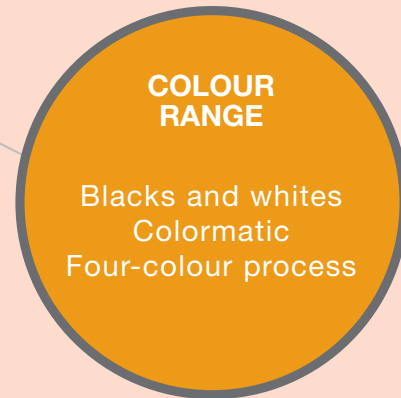


TECHNICAL FEATURES



INDUSTRIAL APPLICATIONS

Screen printing of advertising, POP, display and labels.
 Four-color process printing of vinyl substrates and banners for outdoor use



COLOUR RANGE

Blacks and whites
 Colormatic
 Four-colour process



PRINTING SUBSTRATES

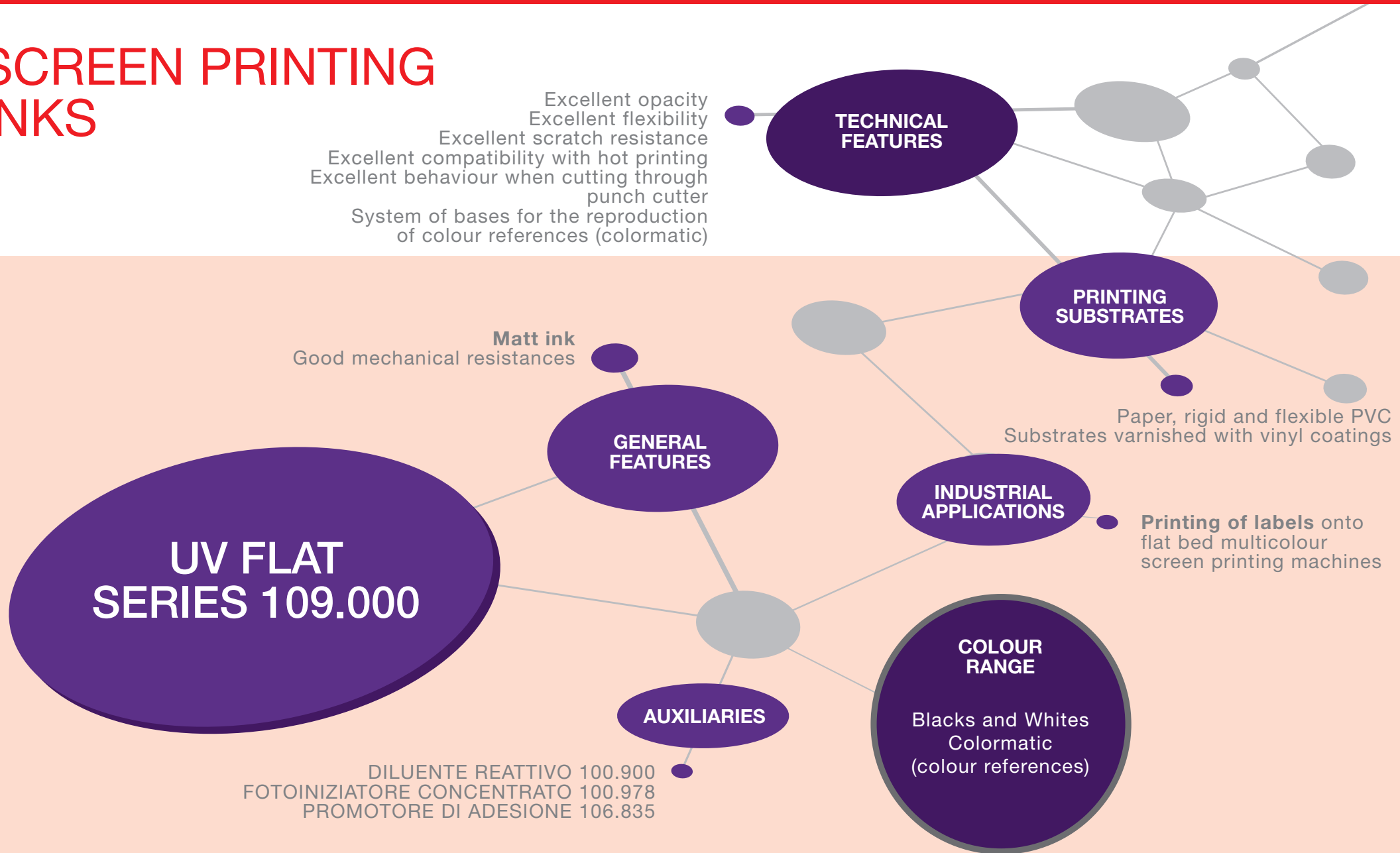
Paper, PVC , Banner, PES (treated), vinyl materials



UV INKS

SCREEN PRINTING INKS

- Excellent opacity
- Excellent flexibility
- Excellent scratch resistance
- Excellent compatibility with hot printing
- Excellent behaviour when cutting through punch cutter
- System of bases for the reproduction of colour references (colormatic)



Matt ink
Good mechanical resistances

GENERAL FEATURES

UV FLAT SERIES 109.000

INDUSTRIAL APPLICATIONS

Printing of labels onto flat bed multicolour screen printing machines

COLOUR RANGE

Blacks and Whites Colormatic (colour references)

AUXILIARIES

DILUENTE REATTIVO 100.900
FOTOINIZIATORE CONCENTRATO 100.978
PROMOTORE DI ADESIONE 106.835

TECHNICAL FEATURES

- Excellent opacity
- Excellent flexibility
- Excellent scratch resistance
- Excellent compatibility with hot printing
- Excellent behaviour when cutting through punch cutter
- System of bases for the reproduction of colour references (colormatic)

PRINTING SUBSTRATES

Paper, rigid and flexible PVC
Substrates varnished with vinyl coatings



SCREEN PRINTING INKS

Good flexibility
 Good resistance to cutting and punching
 Excellent adhesion onto treated polyolefins

Glossy ink
 Good chemical resistances
 Good outdoor resistances
 (for more info about the resistances refer to the technical data sheet)

UNIFLUTE SERIES 120.000

GENERAL FEATURES

AUXILIARIES

DILUENTE REATTIVO 100.900
 FOTOINIZIATORE CONCENTRATO 100.978
 PROMOTORE DI ADESIONE 120.835

TECHNICAL FEATURES

PRINTING SUBSTRATES

Treated polyolefins,
 PVC (rigid and soft)
 PMMA, PC, ABS

INDUSTRIAL APPLICATIONS

Screen printing of advertising, POP, display, corrugated plastic. Printing on bottles treated with flame or corona treatment

COLOUR RANGE

Blacks and whites
 Four-colour process



SCREEN PRINTING INKS

Excellent definition
Good flexibility
Good resistance to alcohol and solvents
Low smell

Semi-glossy ink
Good outdoor resistances
(for more info about the resistances refer to the technical data sheet)

UV GREAT SERIE 122.000

GENERAL FEATURES

AUXILIARIES

DILUENTE REATTIVO 100.900
FOTOINIZIATORE CONCENTRATO 100.978
PROMOTORE DI ADESIONE 122.835

TECHNICAL FEATURES

PRINTING SUBSTRATES

Treated PP and PE
Paper, PVC, PC, ABS, PET-G, PES

INDUSTRIAL APPLICATIONS

Screen printing of advertising, POP, display and graphics in general

COLOUR RANGE

Four-colour process



COLORMATIC

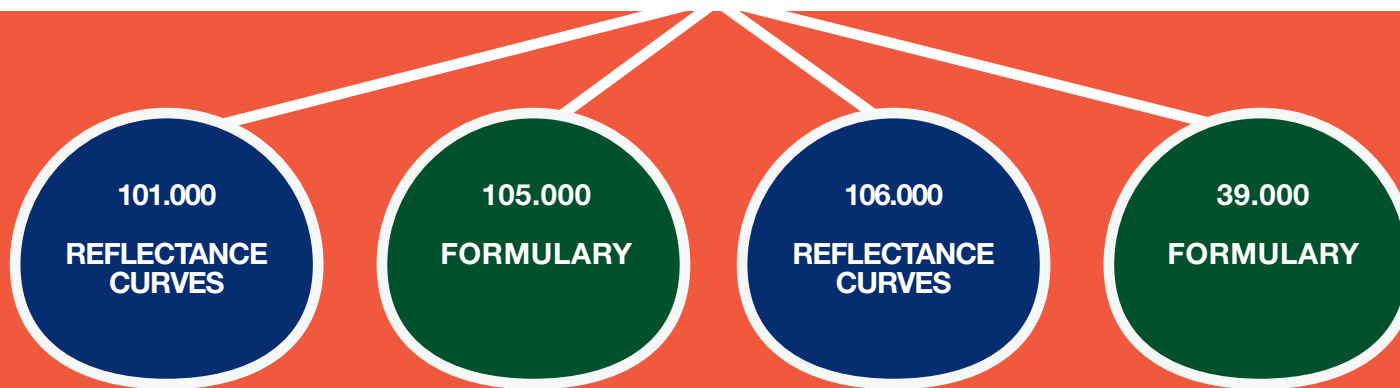
It is the system of bases developed for the reproduction of color references.

The system uses mixable and ready-to-use inks, formulated with lead-free pigments, with good opacity and particularly performing if we consider chemical and physical resistance, and the resistance to atmospheric agents.

The formulas, however authentic in the reproduction of the reference colours, are strongly influenced by the type of support, the thickness of the ink film, the number of threads / cm of the fabric used and the printing conditions; moreover, because of the inks pigmentation, some colours may be strongly metamerich.

EPTA INKS provides, depending on the ink, the formulary in electronic format or the reflectance curves for the instrumental formulation:

UV SERIES





OVERPRINTING VARNISHES

PRODUCTS



VERNICE SOVRASTAMPA UV - 229 NF



POLIKAST VERNICE SOVRASTAMPA LUCIDA
39891NF



POLIKAST VERNICE LUCIDA PER CARTA
E OPP 39895M



POLIKAST VERNICE SOVRASTAMPA OPACA - 39894M



VERNICE UV 34.890NF NON INGIALLENTE
TOYS 34890NF



VERNICE OVERPRINT A.R. 101890M



HT VARNISH NEW E M994548



PAPER GLITTER BINDER UV - M415415



OVERPRINTING VARNISHES

VERNICE SOVRASTAMPA UV 229 NF

GENERAL FEATURES

Glossy finishing
High transparence
Excellent printability
Good flexibility
Excellent price-quality ratio

PRINTING SUBSTRATES

Paper
Plastified paper
PVC

AUXILIARIES

ADHESION
PROMOTER 106.835

INDUSTRIAL APPLICATIONS

Particularly ideal for those applications requiring high chemical / mechanical resistances.
Paper and plastified paper glazing



OVERPRINTING VARNISHES

POLIKAST VERNICE SOVRASTAMPA LUCIDA 39891NF

GENERAL FEATURES

Glossy finishing
Good adhesion
Excellent printability
Ideal for applications with flat
screen printing machines

PRINTING SUBSTRATES

Paper, Plastified paper,
PVC (flexible and rigid)
PP, PE, PES

AUXILIARIES

ADHESION
PROMOTER 106.835

INDUSTRIAL APPLICATIONS

Paper and plastified paper
protection / glazing



OVERPRINTING VARNISHES

POLIKAST VERNICE LUCIDA PER CARTA E OPP 39895M

GENERAL FEATURES

Very glossy finishing
High transparence
High printability
Excellent chemical resistances
Excellent mechanical resistances
Ideal for applications with
cylinder screen printing
machines

PRINTING SUBSTRATES

Paper, Plastified paper
PES (Treated)
PP (Treated)
PE (Treated)

AUXILIARIES

ADHESION
PROMOTER 106.835

INDUSTRIAL APPLICATIONS

Particularly ideal for those
applications requiring high
chemical / mechanical
resistances.
Paper and plastified paper
glazing
"Windows for membrane
keyboards"



OVERPRINTING VARNISHES

**POLIKAST VERNICE
SOVRASTAMPA
OPACA
39894M**

GENERAL FEATURES

Matt finishing
Good printability
Excellent price-quality ratio

PRINTING SUBSTRATES

Paper, Plastified paper

AUXILIARIES

ADHESION
PROMOTER 106.835

INDUSTRIAL APPLICATIONS

Effects onto paper
Plastified paper ideal when it
is required a matt effect
creating contrasts and / or
highlighting texts or graphic
details



UV INKS

OVERPRINTING VARNISHES

**VERNICE UV
34.890NF
NON INGIALLENTE
TOYS 34890NF**

GENERAL FEATURES

Glossy finishing
Good transparence
Excellent chemical resistances
Excellent mechanical resistances
It allows application tape

PRINTING SUBSTRATES

Paper, Plastified paper,
PVC (flexible and rigid),
ABS, PC, PP (treated),
PE (treated)

AUXILIARIES

ADHESION
PROMOTER 106.835

INDUSTRIAL APPLICATIONS

Overprinting of stickers
where the application tape
is required



OVERPRINTING VARNISHES

VERNICE OVERPRINT A.R. 101890M

GENERAL FEATURES

Glossy finishing
Thermoformable
Good chemical resistances
after thermoforming
To be use combined with the
other inks of Thermoform
series (101.000)

PRINTING SUBSTRATES

Paper, ABS, PC, PET-G

AUXILIARIES

ADHESION
PROMOTER 106.835

INDUSTRIAL APPLICATIONS

Overprinting of thermoformable
plates and, in general, when
high flexibility is
required (paperbacks,
punching and bending)



OVERPRINTING VARNISHES

HT VARNISH NEW M994548

GENERAL FEATURES

Glossy finishing
Excellent transparence
No penetration into absorbing
substrates
Not yellowing
Free from benzophenone and
derivatives

PRINTING SUBSTRATES

Paper, Plastified paper,
PVC (flexible and rigid)

AUXILIARIES

ADHESION
PROMOTER 106.835

INDUSTRIAL APPLICATIONS

Printing of 3D or Braille effects
Binder for metal powders
Binder for Glitter



OVERPRINTING VARNISHES

PAPER GLITTER BINDER UV M415415

GENERAL FEATURES

- Glossy finishing
- Excellent transparence
- Excellent flexibility
- Good curing speed
- Not yellowing
- Free from benzophenone and derivatives

PRINTING SUBSTRATES

Paper

AUXILIARIES

ADHESION
PROMOTER 106.835

INDUSTRIAL APPLICATIONS

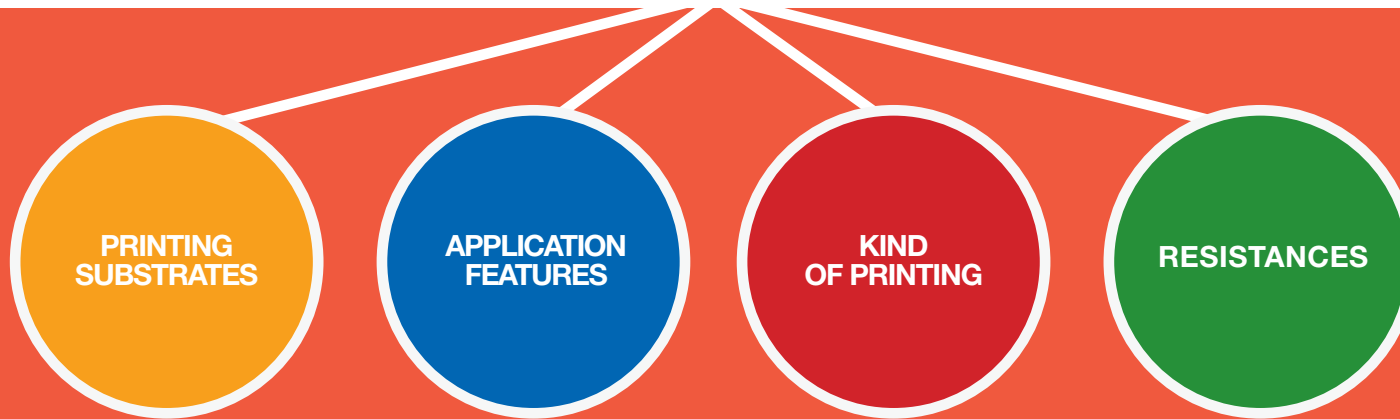
Finishing of printed offset,
particularly suitable as a
binder for glitter.
Can be used as transparent
varnish



UV INKS

CHOICE OF A UV INK

UV inks may be used for different industrial applications.
The choice can be made according to the:





UV INKS

CHOICE OF A UV INK

PRINTING SUBSTRATE

INK	ABS	Acrylonitrile-styrene-acrilate	Cellulose acetate	Cellulose	Wood	Epoxy resins	High density polyethylene	Low density polyethylene	Melamine Formaldehyde	Pre-varnished metal	Stainless Steel	Metal	Polyamide	Polyester	Expanded polystyrene	Polycarbonate	PET	PET-G	Phenolic resins	Polymethylmetacrylate	PP/OPP	Polyurethane	PVC	Polystyrene	Styrene-Acrylonitrile	Glass
UNIFAST 32.000	•		•	•	•	•				•				•	•	•	•				• ¹		•	•	•	
NOVACURE 39.000							•	•		• ¹											•					• ¹
THERMOFORM 101.000	•													•		•		•		•			•	•		
UV TECH 105.000	•	•	•	•	•	•	• ²	• ²						•		•	•	•		•		•	•	•	•	
DURAFLEX 106.000	•																						•	•	•	
UV FLAT 109.000																							•			
UNIFLUTE 120.000	•	•	•	•	•	•	•	•	•					•				•		•	•		•	•		
UV GREAT 122.000	•		•	•	•	•	• ³	• ³						•			•	•			• ³		•	•		
AQUAPLUS 110.000				•																						

- ¹ By adding 10% adhesion promoter 90.908
- ² By adding 5% adhesion promoter 106.835
- ³ By adding 5% adhesion promoter 122.835



CHOICE OF A UV INK

The ink may be chosen according to the final characteristics that the application must have, knowing the qualities and the characteristics of the printing substrates.

APPLICATION FEATURES

- APPLICATION TAPE
- THERMOFORMABLE
- DIE CUTTING RESISTANT
- FINISHING (glossy, matt, satinized)
- OVERPRINTABLE
- FLEXIBLE





CHOICE OF A UV INK



KIND OF PRINTING



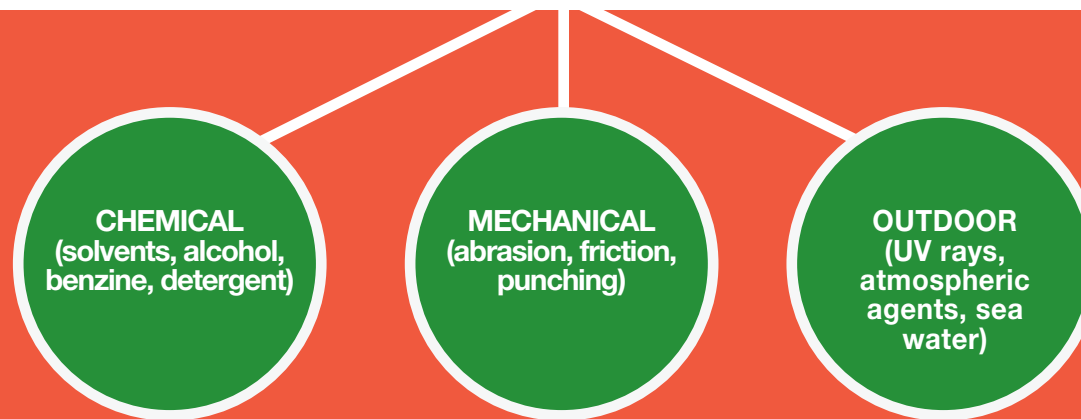


CHOICE OF A UV INK



The final application may require a particular fastness:

RESISTANCES





DESIRED EFFECTS

THERMOFORMING

The ink to be used for this application is THERMOFORM SERIE 101.000M

Thermoforming

Thermoforming is a hot working process on plastic materials as: ABS, PS, PMMA, PC, PET-G etc. It is carried out under pressure or under vacuum.

Thermoforming under vacuum

The plastic material is heated until the plastification temperature (temperature at which the material can be stretched without breaking). Subsequently, the substrate is made to adhere, perfectly, to the forming mold (for depression obtained by the vacuum circuit integral to the mold) getting the desired shape (forming). After the forming process, the material is cooled directly on the mold to prevent distortion.

There are many fields of application:



LUMINOUS
SIGNS



DISPLAY



HELMETS





DESIRED EFFECTS

BOTTLES

The inks used for this application are:
NOVACURE SERIE 39.000 / UNIFLUTE SERIE 120.000

Bottles

The packaging market is able to offer integrated solutions with the communication strategies of the leading brands both if you are looking for a standard proposal or for an exclusive one. Markets that use them are: food, cosmetic, pharmacy, communication. The materials commonly used are HDPE, PETG, PETE, PP. The UV screen gives excellent results in terms of detail of the pictures, of chemical and mechanical resistances as well as the printing speed suitable for the process industry. The screen printing process can not be separated from the initial corona discharge treatment or flame treatment, essential to ensure adhesion of the ink.





EPTAINKS

Epta Inks SpA

Via A. De Gasperi, 1 - 22070 Luisago (CO), Italy
Ph. +39 031 9090111 Fax +39 031 920505
www.eptainks.com

Epta Inks SpA

Via Zamenhof, 12 - 36100 Vicenza, Italy
Ph. +39 0444 914382 - Fax +39 0444 918196

Epta China Chemicals Co., Ltd.

Building A12, No.5399, Waiqingsong Road
Qingpu I.Z. - 201700 Shanghai, China
Ph. +86 21 69211223 - 69211286
Fax +86 21 69211225

Epta Spain S.L.U.

Can Coll, 15 - naves 22-23 - 08185 Lliçá de Vall
Barcelona, Spain
Ph. +34 93 8439217 - Fax +34 93 8439127

Epta Inks Türkiye

Egitim Mah. , Acikgoz Sok. Ogun Is Merkezi No. 2
Kat 2 D:8, 34722 Hasanpasa - Kadikoy, ISTANBUL
Ph. 0216 - 3383016 - Fax 0216 3383089

Epta India (PVT) Ltd.,

(A Subsidiary of Epta Inks, SpA., Italy)
No.8, 5th street, PudhuThottam, Sheriff Colony
Tiruppur - 641 604, India
Ph. 0421-2210244,2216988 - @mail: info@eptainks.co.in

BE NATURAL, BE FREE!

Every two seconds a forest area - sizing a football field - is destroyed!

We believe in developing a Sustainable Chemistry as we believe that the respect for the environment is part of our responsibility. With a few simple, everyday efforts you can help us to reduce pollution, consume less energy and water and produce less waste:

- Download our brochures from our website
- Spread the information to your customers through internet and @mail
- Print brochures only if really necessary choosing Recycled Paper

Do like us: BE NATURAL, BE FREE