SOLVENT BASED INKS
SOLVENT BASED INKS

TOPICS

VINYL INKS
VINYL-ACRYLIC INKS
EPOXY INKS
POLYURETHANIC INKS
CELLULOSE INKS
CHOICE OF A SOLVENT BASED INK
COLOUR RANGE
DESIRED EFFECTS – PRINTING EXAMPLES
On the basis of their chemical nature, Solvent Based products may be divided into:

- VINYL INKS
- VINYL-ACRYLIC INKS
- EPOXY INKS
- POLYURETANIC INKS
- CELLULOSE INKS
VINYL INKS

PRODUCTS

- HIGLOSS SERIES 35.000
- CARBOGLOSS SERIES 26.000
- VINILFLAT SERIES 38.000
- VINILFAST SERIES 36.000
- METALINK SERIES 94.000
- VINYL-GLO SERIES 72.000
**HIGLOSS SERIES 35.000**

**TECHNICAL FEATURES**
- Excellent opacity
- High brightness
- Quick drying
- Very wide colour range

**GENERAL FEATURES**
- Glossy ink
- Excellent chemical and outdoor resistances
- Low odour

**PRINTING SUBSTRATES**
- Paper, cardboard, PVC, ABS, PES, PMMA, PS, PC and PET-G

**INDUSTRIAL APPLICATIONS**
- Graphic printing of advertising, POP and display, stickers

**AUXILIARIES**
- ADHESION PROMOTER 90.908

**VINYL INKS**

**SOLVENT BASED INKS**
Excellent screen consistency
It accepts cutting and drawing
Excellent alcohol resistance
Good flexibility
Thermoformable

Glossy ink
Excellent chemical and outdoor resistances

CARBOGLOSS SERIES 26.000

TECHNICAL FEATURES

PRINTING SUBSTRATES

GENERAL FEATURES

INDUSTRIAL APPLICATIONS

AUXILIARIES

ADHESION PROMOTER 90.908

Ideal for printing membrane keyboards, sticker, PC and PET-G for the realization of bike helmets.
It is a very versatile and multi-use product for the graphic printing

Paper, cardboard, PVC, PES, PC, PET, PET-G
VINYL INKS

Indicated for high frequency welding
- Excellent opacity
- Quick drying
- Excellent printability

GENERAL FEATURES

Matt ink
- Good chemical resistances

TECHNICAL FEATURES

PRINTING SUBSTRATES
- Paper, cardboard, PVC, ABS, PES, PMMA, PS and plastic materials in general. This product is also indicated for printing on wooden substrates

INDUSTRIAL APPLICATIONS
- Graphic printing of advertising, POP, display and stickers. It can be used for printing labels, trucks tarpaulins and decorations on woodware

VINILFLAT SERIES 38.000

AUXILIARIES

ADHESION PROMOTER 90.908

SOLVENT BASED INKS
VINYL INKS

**VINILFAST SERIES 36.000**

**GENERAL FEATURES**
- Indicated for high frequency welding
- Excellent opacity
- Very quick drying
- Excellent printability and screen stability
- Good flexibility

**AUXILIARIES**
- Semi-glossy ink
  - with very quick drying and low odour

**TECHNICAL FEATURES**

**PRINTING SUBSTRATES**
- Paper, cardboard, PVC, ABS, PES, PMMA, PS and plastic materials in general

**INDUSTRIAL APPLICATIONS**
- Graphic printing of PVC coatings for shoes, truck tarpaulins, display, roll-to-roll labels and stickers

**ADHESION PROMOTER 90.908**
Vinyl Inks

**Technical Features**
- Excellent adhesion, also on difficult surfaces
- Excellent opacity
- Quick drying

**Printing Substrates**
- Paper, cardboard, PVC, ABS, PES, PMMA, PS, metal and wood

**Industrial Applications**
- Graphic printing of advertising, POP, display and stickers.
- Graphics on pre-varnished metal and wood

**Auxiliaries**
- Matt ink with metallic effect
- Good chemical resistances

**Adhesion Promoter 90.908**

**Metalink Series 94.000**
SOLVENT BASED INKS

VINYL INKS

**VINYL-GLO SERIES 72.000**

**GENERAL FEATURES**
- Quick drying
- Good flexibility

**PRINTING SUBSTRATES**
- Paper, cardboard, plastic materials in general

**INDUSTRIAL APPLICATIONS**
- Graphic printing of advertising, POP, display, posters and stickers

**AUXILIARIES**
- Fluorescent ink with matt finish
  - Outdoor resistance: up to 1 month

**TECHNICAL FEATURES**

**ADHESION PROMOTER 90.908**
SOLVENT BASED INKS

VINYL-ACRYLIC INKS

PRODUCTS

- ACRILUX SERIES 48.000
- THERMOPLUS SERIES 49.000
ACRILUX SERIES 48.000

GENERAL FEATURES
- Glossy ink
- Outdoor resistance

TECHNICAL FEATURES
- High glossy level
- Thermoformable
- Excellent flexibility

PRINTING SUBSTRATES
- PVC, PMMA, PS

AUXILIARIES
- ADHESION PROMOTER 90.908

INDUSTRIAL APPLICATIONS
- Acrilux is used as a binder in the in-moulding process for the realization of items such as bike helms
**GENERAL FEATURES**

- Glossy ink
- Excellent chemical and outdoor resistances

**TECHNICAL FEATURES**

- Thermoformable
- Excellent flexibility
- Excellent adhesion on PMMA
- No blocking

**PRINTING SUBSTRATES**

- Paper, cardboard, PVC, PC, PMMA, difficult printing substrates and plastic materials in general

**AUXILIARIES**

- Adhesion Promoter 90.908

**INDUSTRIAL APPLICATIONS**

- Printing of PC and PMMA plates intended for thermoforming, in addition to the realization of graphics for advertising and pop
SOLVENT BASED INKS

EPOXY INKS

PRODUCTS

- EPOXSER SERIES 92.000
- SERIPOXY SERIES 90.000
EPOXY INKS

EPOXSER SERIES 92000

GENERAL FEATURES
Bi-component, glossy ink
Excellent chemical and physical resistances
Outdoor resistance: up to 1 year (bad weather and sunlight)

TECHNICAL FEATURES
 Excellent opacity
Excellent printability
Excellent adhesion on glass and metals

PRINTING SUBSTRATES
Glass, metal, difficult printing synthetic resins (pre-treated polyethylene and polypropylene), bakelite, melamine, etc.

AUXILIARIES
- EPOXSER CATALIZZATORE 92599
- EPOXSER CATALIZZATORE SPECIALE 92600
- EPOXSER ANTIBOLLE 154027

INDUSTRIAL APPLICATIONS
Woodware, glass and aluminium, automotive (numberplates, car logos)
SERIPOXY SERIES 90.000

GENERAL FEATURES
- Bi-component, glossy ink
- Excellent chemical and physical resistances
- Outdoor resistance: up to 1 year (bad weather and sunlight)

TECHNICAL FEATURES
- Good opacity
- Good flexibility
- Good screen stability
- Folding resistant
- High dielectric power

PRINTING SUBSTRATES
- Aluminium and metals in general, laminated plastic, glass, PP and PE pre-treated through flaming or corona treatment

AUXILIARIES
- SERIPOXY CATALIZZATORE 90.835
- FINITURA SATINANTE 90.017

INDUSTRIAL APPLICATIONS
- Printing of inert materials: metal, wood or glass that must be overprinted with varnishes. Treated polyolefin materials
POLYURETHANIC INKS

PRODUCTS

TEXYLON SERIES 58.000
PTXYLON SERIES 58.000

**Technical Features**
- High flexibility and elasticity
- Good resistance to sea water
- High opacity
- Quick drying
- AMC bases for the reproduction of more than 800 colours

**General Features**
- Semi-glossy ink
- Excellent chemical and physical resistances
- Outdoor resistance: up to 2 years (bad weather and sunlight)

**Printing Substrates**
- Nylon, tyvek, proofed fabrics
- Paper for decals

**Industrial Applications**
- Printing of dark fabrics, highly textured and highly absorbent such as bags and garments made of nylon and tyvek, proofed fabrics

**Auxiliaries**
- ADHESION PROMOTER 90.908
- TEXYLON STICK 59.865
- ADDITIVO LIVELLANTE 90.970
SOLVENT BASED INKS

CELLULOSE INKS

PRODUCTS

- ONDAFLUTE SERIES 85.000
- CELLOFLEX SERIES 20.000
ONDAFLUTE SERIES 85.000

**General Features**
- Good adhesion even on not treated substrates
- Good flexibility
- Excellent printability
- Good screen stability

**Printing Substrates**
- Treated PP, PE and HDPE

**Technical Features**
- Semi-glossy ink
- Outdoor resistance up to 1 year (bad weather and sunlight)

**Industrial Applications**
- Printing of POLIONDA (PP plates) and PRIPLAK (PP sheets), bottles

**Auxiliaries**
- ADHESION PROMOTER 90.908

**Solvent Based Inks**

**Cellulose Inks**
- Semi-glossy ink
- Outdoor resistance up to 1 year (bad weather and sunlight)

**Onaflute Series 85.000**
- Good adhesion even on not treated substrates
- Good flexibility
- Excellent printability
- Good screen stability
CELLULOSE INKS

**TECHNICAL FEATURES**
- Good flexibility
- Good opacity
- Quick drying
- Good adhesion on difficult substrates

**GENERAL FEATURES**
- Semi-glossy ink
- Outdoor resistance up to 1 year (bad weather and sunlight)

**PRINTING SUBSTRATES**
- Paper, cardboard, polystyrene, varnished plate, wood, leather and glass
- Graphic printing on particular substrates: glass bottles, wood or pre-varnished metals. Ideal also for slide and dry transfer decals

**INDUSTRIAL APPLICATIONS**

**CELLOFLEX SERIES 20.000**

**AUXILIARIES**

**ADHESION PROMOTER 90.908**
SOLVENT BASED INKS

CHOICE OF A SOLVENT BASED INK

Solvent based inks may be used for several applications in the industry.

The choice can be made on the basis of the:

- PRINTING SUBSTRATE
- APPLICATION FEATURES
- PRINTING TYPOLOGY
- RESISTANCES
# CHOICE OF A SOLVENT BASED INK

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- **Excellent**
- **Sufficient**
- **Good with adhesion promoter**
- **Not recommended**

The suggestions in the above chart are just an indication. For further details, always read the technical data sheets of every single ink. Since the indicated substrates have got various features, it is recommended to always carry out previous tests.
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**

- Thermoformable
- Die Cutting Resistant
- Finishing (glossy, matt, satinized)
- Overprintable
- Flexible
SOLVENT BASED INKS

CHOICE OF A SOLVENT BASED INK

TYPE OF PRINTING

- DIRECT
- MULTICOLOUR (Four-colour process)
- DECALS
The final application may require particular solidities:

**RESISTANCES**

- **CHEMICAL** (solvents, alcohol, benzine, detergents)
- **MECHANICAL** (abrasion, friction, punching)
- **OUTDOOR** (UV rays, atmospheric agents, sea water)
**SOLVENT BASED INKS**

## COLOUR RANGE

### COLOURMATIC

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**COLOURS:**
- P200 Giallo Limone A (Lemon Yellow A)
- P202 Giallo Oro B (Golden Yellow B)
- P301 Arancio C (Orange C)
- P303 Rosso D (Red D)
- P305 Carminio E (Carmine E)
- P342 Rosa F (Pink F)
- P440 Violetto Brillante G (Bright Violet G)
- P404 Blu Brillante H (Bright Blue H)
- P500 Verde K (Green K)
- 700 Nero M (Black M)
# SOLVENT BASED INKS

## COLOUR RANGE

### OPAQUE

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<tr>
<th>CODE</th>
<th>COLOURS</th>
<th>HGloss 35000</th>
<th>Carbogloss 26000</th>
<th>Vinilflat 38000</th>
<th>Vinilfast 36000</th>
<th>Epoxser 92000</th>
<th>Seripox 90000</th>
<th>Ondaflute 85000</th>
<th>Celloflex 20000</th>
<th>Texylon 58000</th>
<th>Thermoplus 49000</th>
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### SOLVENT BASED INKS

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#### FLUO-METALLIC

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<th>Metalink 94000*</th>
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</table>

*VINYL-GLO and METALINK are respectively the fluo and the metallic series ready to use.** The 96000 series of powder is dispersible in transparent bases or binders for bronzes of the other series.
It is an indirect printing system, based on the realization and application of a graphic transfer, for the decoration of such substrates, which, due to their dimensions or essential features, make direct printing difficult or impossible. The application fields are many:

BIKE FRAMES
SPORT EQUIPMENT
ITEMS IN GENERAL for high quality merchandising with particularly sophisticated graphic works.
HELMETS

The ink that may be used for this application is the series TEXYLON 58.000
SOLVENT BASED INKS

DESIRED EFFECTS
SLIDE DECALS

Printing process and printing conditions

1° STEP
PRINTING OF THE WHITE INK

2° STEP
PRINTING OF THE COLOURS OF THE GRAPHIC WORK

3° STEP
PRINTING OF THE TRANSPARENT INK

4° STEP
PRINTING OF THE COLLODION

SPECIAL PAPER

EPTAINKS
Thermoforming
Thermoforming is a hot working process on plastic materials such 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. The application fields are many:

LUMINOUS SIGNS
DISPLAY
HELMETS

The inks which may be used for this application are:
CARBOGLOSS 26.000 – THERMOPLUS 49.000
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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:
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- 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