



Glass

Finishing

EPTAINKS **EPTACOAT** **EPTATECH** **EPTAINKS**
the partner for industrial printing the partner for coating the partner for specialties DIGITAL
the partner for digital printing



Glass Finishing

Glass is a **unique material** because its transparency, durability and sustainability. It is also suitable for a wide range of applications in different industrial sectors.

EPTANOVA, thanks to the know-how developed by its 4 Business Brands (EPTAINKS, EPTACOAT, EPTATECH and EPTAINKS *DIGITAL*), is able to offer a **full range of solutions** for glass decoration in order to satisfy every customer need.

We develop only **organic inks and varnishes** with the aim of safeguarding health and environmental safety which are fundamental values for our company.



HABITAT INDUSTRY



Safety is the main feature when it comes to glass substrates: our products guarantee top-reliability and **resistance to disruption and scratches**, while they allow a strong customization thanks to a **wide variety of finishing effects**.



EPTAINKS

- GL 1900
- TCP 9900
- Epoxser
- Sublicoat
- LDI
- Seripoxy
- TCI 8700

EPTATECH

- SR Dual
- Electa
- Orange 501
- Polygel

EPTACOAT

- Idrotecno 1K
- Glass enamel
- Oven glossy clearcoat
- Concentrated transparent dyes

EPTAINKS DIGITAL

- Chromatic
- E-First
- Integral-K
- Perfect-R
- Chromatic XL
- Perfect-R TS5

SIGNAGE INDUSTRY



Nowadays **visual communication** has taken on an increasing importance: real or virtual images surround us everywhere, to signal a warning or for marketing purposes. This is the reason why glass printing is constantly growing on. The specific solutions developed and manufactured by EPTANOVA **make your commercial message unique and more appealing.**



EPTAINKS

- GL 1900
- TCP 9900
- Epoxser
- LDI
- Uni Serie 40.000
- Seripoxy
- TCI 8700

EPTATECH

- Electa
- Yellow 602
- SR Dual

EPTAINKS DIGITAL

- Chromatic
- E-First
- Integral-K
- Perfect-R
- Chromatic XL
- Perfect-R TS5

PACKAGING INDUSTRY



Glass is the best packaging material to protect human health and the environment. Our range of products containers printing and coating meets **the highest security standards**. The **wide selection of colours and effects** in our series enables you to achieve a refined packaging and to create your own brand identity.



EPTAINKS

- GL 1900
- TCP 9900
- Epoxser
- Uni Serie 40.000
- Serink 10-15
- Bianco Opaco

EPTATECH

- SR Dual
- Polygel
- Electa
- Orange 501
- Universal Plus

EPTACOAT

- Idrotecno 1k
- Glass enamel
- Oven glossy clearcoat
- Concentrated transparent dyes

EPTAINKS DIGITAL

- Chromatic
- E-First
- Integral-K
- Perfect-R
- Chromatic XL
- Perfect-R TS5

HIGH TECH INDUSTRY



Our inks and varnishes provide **high-level performances** in terms of optical properties and chemical/mechanical resistance, making them ideal for displays application. In particular **Crystal Pro Nero Coprente**, with its excellent opacity, can make a printing process requiring many layers easier, e.g. a window (frame) that has not to be influenced by backlight.



EPTAINKS

- GL 1900
- TCP 9900
- Crystal Pro
- Serink 10-15
- Bianco Opaco
- Serink IR Black for Glass

EPTATECH

- Electa
- Orange 501
- SR Dual

EPTAINKS

DIGITAL

- Chromatic
- E-First
- Integral-K
- Perfect-R
- Chromatic XL
- Perfect-R TS5

Products Portfolio

EPTAINKS

Ink	Technology	Process	Brand
GL 1900	Solvent	Pad printing	Visprox
TCP 9900	Solvent	Pad printing	Visprox
Epoxyser	Solvent	Screen Printing	Manoukian Argon
Crystal Pro	Solvent	Screen Printing	Manoukian Argon
Sublcoat A+B	Sublimation	Screen Printing	Manoukian Argon
LDI	Solvent	Screen Printing	Manoukian Argon
Uni Serie 40.000	Solvent	Screen Printing	KFG
Seripoxy	Solvent	Screen Printing	Manoukian Argon
TCI 8700	Solvent	Screen Printing	Visprox
Serink 10-15 Bianco Opaco	Solvent	Screen Printing	Manoukian Argon
Serink IR Black for Glass	Solvent	Screen Printing	Manoukian Argon

Products Portfolio

EPTAINKS

Ink	Features
GL 1900	<ul style="list-style-type: none"> • Glossy finishing • Quick drying
TCP 9900	<ul style="list-style-type: none"> • Glossy finishing • Colourmatic (Pantone matching system)
Epoxxer	<ul style="list-style-type: none"> • Excellent opacity • Excellent adhesion
Crystal Pro	<ul style="list-style-type: none"> • Excellent adhesion and printability • Black colour with high optical density
Sublcoat A+B	<ul style="list-style-type: none"> • Excellent reception of sublimation • High chemical/physical resistance
LDI	<ul style="list-style-type: none"> • Light diffusing ink • Excellent outdoor resistance
Uni Serie 40.000	<ul style="list-style-type: none"> • High chemical and mechanical resistance • No yellowing of the colours outdoor
Seripoxy	<ul style="list-style-type: none"> • Silicone-free • Useful to mirror process
TCI 8700	<ul style="list-style-type: none"> • Glossy finishing • Colourmatic (pantone matching system)
Serink 10-15 Bianco Opaco	<ul style="list-style-type: none"> • Over writable ink • Excellent chemical resistance
Serink IR Black for Glass	<ul style="list-style-type: none"> • Black ink with a max. transmittance of 5% between 400nm and 650nm • High transparency between 800nm and 1100nm

Products Portfolio

EPTATECH

Emulsion	Technology	Process	Brand
Yellow 602	Dual Cure Solvent inks Oily organic inks UV inks	Screen Printing	KFG
Orange 501	Dual Cure Solvent inks UV inks	Screen Printing	KFG
Universal Plus	Dual Cure Solvent inks Water-based inks Oily organic inks UV inks	Screen Printing	Manoukian Argon
SR Dual	Dual Cure Solvent inks Oily organic inks UV inks	Screen Printing	Manoukian Argon
Polygel	Dual Cure Solvent inks Oily organic inks UV inks	Screen Printing	Manoukian Argon
Electa	Pure Polymer Solvent based inks UV inks	Screen Printing	Manoukian Argon

Products Portfolio

EPTATECH

Emulsion	Features
Yellow 602	<ul style="list-style-type: none"> • Good edge definition • Good chemical and mechanical resistances • Quite good wide-latitude exposure (if not catalysed) • Violet colour • Solid 42%
Orange 501	<ul style="list-style-type: none"> • Excellent edge definition • High mechanical resistances • Easy recovery of screens after printing • Violet colour • Solid 32%
SR Dual	<ul style="list-style-type: none"> • Excellent solvent resistance • Effective contour definition • Easy recovery of screens after printing • Violet colour • Solid 35%
Universal Plus	<ul style="list-style-type: none"> • Wide latitude of use with water based and solvent based inks • Good contour definition and mechanical resistance • Possible recovery of screens after printing (if not catalysed) • Blue colour • Solid 36%
Polygel	<ul style="list-style-type: none"> • Excellent chemical resistance • Remarkable level of definition / resolution • Adequate mechanical strength • Possible recovery of screens after printing (if not catalysed) • Blue colour • Solid 37%
Electa	<ul style="list-style-type: none"> • Excellent outlines definition • Excellent resolution. • Could be used with CTS DMD and/or CTS with Blue Laser Diode systems as well as with projection units • Easy recovery of screens after printing • Blue colour • Solid 36%

Products Portfolio

EPTACOAT

Coating	Technology	Function	Brand
Idrotecno 1K oven for glass	Water based 1K	Topcoat	Raiver
Glass enamel c098	Solvent 2K	Topcoat	Raiver
Oven glossy clearcoat	Water based 1K	Clearcoat	Raiver
Concentrated transparent dyes	Solvent 1K	Coloranti	Raiver

Coating	Features
Idrotecno 1K oven for glass	<ul style="list-style-type: none"> • Water thinnable monocomponent product • Oven curing • For roller and spray coating
Glass enamel c098	<ul style="list-style-type: none"> • High superficial hardness • High resistance to scratching and abrasion • Excellent resistance to light, also outdoor • Quick drying and perfect adhesion • Excellent weather resistance and chalking resistance • Excellent resistance to thermal stresses • High chemical resistance
Oven glossy clearcoat	<ul style="list-style-type: none"> • Perfect adhesion and flow • High surface hardness • Excellent elasticity • Perfect water fastness • High chemical resistance
Concentrated transparent dyes	<ul style="list-style-type: none"> • Transparent • Excellent resistance to light • Compatible with water based products

Products Portfolio

EPTAINKS

DIGITAL

Ink	Technology	Printhead	Brand
Chromatic	Sublimation	Panasonic	Verojet
E-First	Sublimation	Epson DX-7	Verojet
Integral K	Sublimation	Kyocera	Verojet
Perfect-R	Sublimation	Ricoh Gen-4 / Gen-5	Verojet
Chromatic XL	Sublimation	Panasonic (DGI 1608/DGI 1908)	Verojet
Perfect-R TS5	Sublimation	Ricoh Gen-5 (TS500)	Verojet

It is necessary to prepare the glass substrate with EPTAINKS **Subliccoat A+B** before printing with sublimation digital inks.

Ink	Features
Chromatic	<ul style="list-style-type: none"> • Bright colors • Good general fastness • Good drying on paper according to the printing speed
E-First	
Integral K	
Perfect-R	
Chromatic XL	
Perfect-R TS5	

EPTAINKS



Light Diffusing Ink

An innovative transparent ink for **screen printing on glass and plastic**, that becomes visible only when enlightened by coloured LEDs

Light Diffusing Ink (LDI) is a product for screen printing on optically transparent glass – also suitable for plastic surface printing – that is **visible only through a dedicated LED illumination**. The printed image is in fact invisible in natural/artificial light condition or without any lighting, turning coloured only when the LED source, located at the edges of the transparent substrate, is switched on.

The potential of this product and its practical applications are numerous and particularly interesting in the Signage and Habitat Industries. Furthermore, Light Diffusing Ink facilitates and **enhances the functionality of LEDs** that, thanks to their energy high efficiency and low impact on the environment, will soon replace the traditional light sources.

From a technical point of view, Light Diffusing Ink exists in two formulations: one for plastic (**LDI FOR PLASTIC**) and one for glass (**LDI FOR GLASS**).

LDI FOR GLASS is a two-component solvent-based ink, with high chemical and outdoor resistance and excellent adhesion to glass.

To find out more and get more details, you can look up at the products TDS.



www.eptanova.com



EPTANOVA leads an extended know-how in providing **complete advanced finishing solutions** to a variety of industries, with companies all around the world.

Our Business Brands – EPTAINKS, EPTACOAT, EPTATECH and EPTAINKS *DIGITAL* – develop and manufacture products and applications in the domain of **industrial printing inks** (screen printing, pad printing and digital printing), **innovative functional coating** and **advanced materials technology**.

We provide our customers with a **complete range of innovative products and quality services**, designed to offer a tailor-made solution to every demand.

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