



Welcome to the Esmalglass-Itaca world, the colour at your reach.

## Inkjet inks for the ceramics industry

Esmalglass-Itaca Group has been the world leader in supplying ceramic pigmented inks for the Xaar 1001 printheads. Our inks have been used in more than 60% of the ceramic printers which use Xaar technology.

We offer a large and increasing family of ceramic pigmented inks that meets all the requirements of best chromatic intensity and strictest physical-chemical stability, for optimum performance in single pass industrial inkjet processes.

The Esmalglass-Itaca ceramic pigmented inks are mainly characterized by:

- Deep and clean colours due to our high purity pigments.
- Large chromatic range with brightness for present ceramic products.
- Maximum definition and contrast for sharp and natural images.
- Designed for greyscale printing to obtain smooth and homogeneous shadings.
- Wide range of colours.
- High stability and maximum reliability in the industrial environment.
- Large range of working temperature.
- No evaporation under normal ambient temperatures.
- Not dangerous with no unpleasant odour.

They are suitable for printing on any type of ceramic surface, such as glazes, engobe, colored body, etc... additional applications on top of the print are also possible. They can withstand firing temperatures of up to 1300°C.

Furthermore, their chemical nature guarantees maximum compatibility with Xaar 1001 printheads and with the materials which are normally used in industrial inkjet printers, therefore the end user will benefit from continuous runs with no ink issue, in addition to low replacement frequency of worn out machine parts.



The ink set includes a high intensity, gold free, pigmented pink ink, which on one hand reduces significantly the production costs when compared to a gold magenta ink, and on the other hand maintains the industrial decoration costs down to the traditional processes costs.

To summarise, Esmalglass-Itaca offers a high quality and reliability family of inkjet inks, characteristics which have been reported by various system integrators and experienced by many of our customers.



inkjet solutions  
by esmalglass·itaca grupo

## Your technology partner

Esmalglass-Itaca Grupo has more than 30 years of experience in developing ceramic products all over the world, with manufacturing plants in Spain, Italy, UK, Portugal, Russia, Brazil, Indonesia and China.

In addition to our ceramic pigmented inkjet inks, we offer to every customer a complete pack of graphics for ceramic products, product customisation and Technical Assistance.

- Our R&D+innovation laboratories have been continuously working on improving and enlarging this family of inkjet inks for maximum levels of competitiveness.
- We have the most advanced Manufacturing and Quality Control facilities to fully guarantee supply and quality of inks.
- We have a large range of frits, glazes and protective finishes which boost the colour development of the inks.
- We offer a comprehensive service of Technical Assistance and Design with the most qualified and experienced staff.

All this represents our Solution and makes us the top technology partner for developing digital decoration systems.



Please, contact us for further detailed information:

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