

IMAGINE

CREATE

PRINT.

DTG & DTF



ACHITEX MINERVA



Achitex Minerva Group produces and markets products for the textile industry.

The wide range developed and constantly updating allows to place in the market versatile products, usable printing upholstery, furnishing fabrics and garments, with excellent quality results.

DTG & DTF PRINTING

Achitex Minerva's digital inks combine the experience of over 70 years in pigment dispersions with that developed in printing and textile auxiliaries.

That of digital printing is a dynamic and fast-growing sector that, in the last years, is gaining more and more importance.

The experience, combined with the passion of Achitex Minerva's team, have given rise to two ranges of pigment-based digital inks, which allow to obtain prints characterized by bright colors and well-detailed contours.



DIGITAL INKS



BENEFITS

Great coverage

Elasticity

High definition

High stability

Reduction of printing head block

High washability

High standards of control during production

High light fastness

Soft to the touch

Bright colours

Wide print gamut

Possibility of printing in combination with a screen printing bottom (just for DTG)

DTG

DTG Inks include water-based digital textile pigments containing binder for direct printing on fabric. Currently in the product range there are CMYK and white ink. All the inks have characteristics of high elasticity and coverage with excellent fastness to washing.

Their special formulation allows to obtain excellent performance even without pretreatment.

DTF

DTF Inks include water-based digital pigments specifically designed for printing on polyester film for textile transfer application. The products made with special binders allow an excellent distension and a high degree of elasticity.



PRINT

All digital printing products have been tested to have excellent stability on the most common printing heads, without blocking them.

MINERJET E

FOR **EPSON** PIEZOELECTRIC HEADS

Low viscosity products, ideal for use in the most latest generation Epson as DX5 - DX6 - DX7, L and S series.

MINERJET RS

FOR **RICOH** PIEZOELECTRIC HEADS

Medium viscosity products, ideal for use with Ricoh and Fuji-film Dimatix Starfire® heads.

DTG & DTF SERIES AVAILABLE



THE RANGE CONSISTS OF:

- MINERJET **CYAN E**
- MINERJET **MAGENTA E**
- MINERJET **YELLOW E**
- MINERJET **BLACK E**
- MINERJET **WHITE E**
- MINERJET **CLEANER**

- MINERJET DTF **CYAN E**
- MINERJET DTF **MAGENTA E**
- MINERJET DTF **YELLOW E**
- MINERJET DTF **BLACK E**
- MINERJET DTF **WHITE E**
- MINERJET DTF **SPECIAL**
- MINERJET **CLEANER**

MINERJET

Special

Special glue for foils printable through digital print heads; able to revolutionize the traditional digital printing paradigm.

ADVANTAGES:

- Reduction of application time of the foil on the fabric
- Possibility to create single design. No cut and peel off needed
- High washing fastness
- Extremely soft hand
- Possibility to obtain different patterns
- All in one product for more effects
- Flock and mylar transfer on fabrics

PATENTED

GLUES



MINERBOND DTF CO

White matte thermoplastic glue whose characteristic consists in increasing the coverage of white, having very high resistance and excellent fastness to washing. The glue is optimized for both manual and mechanical use.

MINERBOND DTF NYP

White matte thermoplastic glue with barrier screen, suitable for application on nylon or tnt.

DTG PRE TREATMENTS

PRIMERS

FOR DTG PIGMENT PRINTING

MINERPRIMER **INK P DARK**

Pre-treatment solution for inkjet **pigment** printing, designed for preparation of dark substrates.

MINERPRIMER **INK P LIGHT CONC**

Pre-treatment solution for inkjet **pigment** printing, designed for preparation of white or light substrates.

MINERPRIMER **JET PLUS SERIES**

Primer for digital **pigment** printing designed for printing on light fabrics of organic origin, it allows to improve the colours and details of the print.

MINERPRIMER **INK REA K**

Pre-treatment for **pigment** inkjet printing designed for the preparation of dark textiles to ink-jet pigment printing.

PRE

The whole range of primers is developed in order to prepare the textile for digital printing, withstand different inks

and processes.

They considerably improve the properties of the support, the ink absorption, the resistance to washing and rubbing and the quality of the final image on the fabric, keeping uniformity, brightness and clear contours.

PRIMERS

FOR DTG DYES PRINTING

MINERPRIMER **INK A**

Auxiliary for recipes for preparing polyamides and animal fibres for ink-jet printing with **acid** dyes.

MINERPRIMER **READY A PA**

Ready to use auxiliary for preparation of ink-jet printing with **acid** dyes on polyamide fabrics.

MINERPRIMER **INK R SERIES**

Auxiliary for recipes of preparation for the ink-jet printing with **reactive** dyes for DGT printing.



The range of related products, in digital printing, includes different uses, from the pre-treatment of the printable material to the finishing.

In particular, the knowledge of DTG and screen printing technologies has allowed to develop products suitable for an hybrid experience, where traditional screen printing meets the DTG process in a synergistic fusion to create a perfect contamination of techniques.

DTG SCREEN PRINTING

HYBRID PRINTING

MINERPRINT HYBRID WHITE DTG

Printing paste suitable for both printing technologies, for printing in Digital and DTF, integrating the two techniques in one.

MINERPRIMER CLEAR DTG

Ready-to-use transparent printing paste to be used as a bottom, overprintable with pigment digital inks in one.

MINERPRINT FINISH CLEAR DTG

Transparent, extremely soft and resinous base specially designed to be used as a top coating over fabrics printed with digital pigment inks on Hybrid machines.



DTG POST TREATMENTS

Depending on the final destination of the fabric, it may be necessary to have products

with specific characteristics: finishing products contribute to ennobles the fabric and give it the technical characteristics suitable for the final use.

The textile finishing is used to give a special hand or a different appearance from the original, improving the performance.

POST



FINISH SOLUTIONS FOR DTG PRINTING

MINERJET **SUPER FIX**

Suitable for printing light and dark fabrics, the special formulation has been designed to increase the fastness of washing and rubbing.

MINERJET **SUPER BRIGHT**

Suitable for the post-printing of light fabrics, the product allows to improve the brightness and saturation of the inks giving a feeling to the touch of impalpability and softness.



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