



MagnaTrans™ Metallic Inks

Water-based metallic transfer inks

MagnaTrans™ is a brand-new range of water-based heat transfer inks, additives and adhesives, designed to produce single and multi-coloured transfers on release coated film.

MagnaTrans Metallics give reflective, sparkle and metallic finishes to printed transfers.

The **MagnaTrans Metallics Range** consists of the following products:

MagnaTrans MultiChrome A ready to use range of pearlescent printing pastes giving a superior colour shift or “two-tone” effect. Available in Red, Azure and Ice Blue shades.

MagnaTrans MultiShine A ready to use range of pearlescent printing paste with increased shine and sparkle giving a superior colour shift or “two-tone” effect. Available in Gold and Indigo shades.

MagnaTrans Bling Silver A ready to use metallic printing paste. The ink can be tinted with up to 6% of Eco-Pigments to create other metallic shades.

MagnaTrans Reflective Silver A ready to use water-based transfer ink, containing light reflective micro glass beads.

A range of MagnaTrans Inks, Adhesives, Films and Special Effect Inks are also available. See www.magnacolours.com for more information.

Screen Mesh

The metallic inks contain microparticles (10 – 60 micron), this should be considered when selecting screen mesh. Screen mesh should be 3x the particle size.

MagnaTrans MultiChrome, Multishine and **Bling Silver** should be printed using a 34 - 62T (86 - 158) mesh screen.

SPECIFICATION



FABRIC TYPES

Cotton, Poly-Cotton Blends, Polyester*



MESH

34 - 62T (86 - 158)
24 - 43T (60 - 110)



SQUEEGEE

70—75° Shore, Square Edge Squeegee



CURE TEMPERATURE

1 minute at 140°C (284°F)



PIGMENT LOADING

Up to 6% Eco-Pigments (Bling Silver)



ADDITIVES

MagnaTrans Fixer 3%
Retardant Gel Conc 5%



STORAGE

In cool place properly closed:
>5°C (40°F) <25°C (77°F)



HEALTH & SAFETY

MSDS available upon request



CLEAN UP

Wash off screen using water and mild detergent

* With the use of MagnaTrans Migration Blocker.

All information is given in good faith but without warranty. They do not release you from testing our products as to their suitability for the intended processes and uses.



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MagnaTrans Reflective Silver should be printed using a 24 – 43T (60-110) screen mesh due to the larger particle (60 micron).

Application

Printing is best undertaken with a 70-75° Shore Square Edge Squeegee. Use **MagnaTrans Inks** to build up the transfer. Ensure the ink is fully dried in between each layer.

The printed sheet should be dried in between layers at 140°C (284°F) for 60 seconds - ensure the print is completely dry before continuing the process.

Use a vacuum bed to hold sheets in place during printing, do not use adhesive to secure the sheets.

For best results we recommend using **MagnaTrans Black** as an under-base for **MagnaTrans Multishine and Multichrome** inks.

For fabrics where dye migration can be an issue. **MagnaTrans Migration Blocker** can be applied as the final layer of ink before adhesive being applied.

Once you are happy with the transfer build up, apply a backing adhesive. Either apply **MagnaTrans Transfer Adhesive** as the final layer. Alternatively, apply **MagnaTrans PU Powder 60** to the final wet layer of ink or migration blocker and cure accordingly.

The finished transfer can be applied to the required substrate on a heat press at 120°C - 165°C (248°F - 329°F) for 12 seconds, 4-6 Bar pressure, or as per adhesive instructions.

Once pressed, remove the transfer film from the print. Allow 24 hours before first wash for maximum washfastness.

MagnaTrans™ Fixer can be added to all **MagnaTrans** products at 3% to reduce curing times and temperatures. Appropriate in-house testing should be carried out to ensure wash performance and durability.

SPECIFICATION



FABRIC TYPES

Cotton, Poly-Cotton Blends, Polyester*



MESH

34 - 62T (86 - 158)
24 - 43T (60 - 110)



SQUEEGEE

70—75° Shore, Square Edge Squeegee



CURE TEMPERATURE

1 minute at 140°C (284°F)



PIGMENT LOADING

Up to 6% Eco-Pigments (Dependent on Application)



ADDITIVES

MagnaTrans Fixer 3%
Retardant Gel Conc 5%



STORAGE

In cool place properly closed:
>5°C (40°F) <25°C (77°F)



HEALTH & SAFETY

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CLEAN UP

Wash off screen using water and mild detergent

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