



## MagnaTrans™ Heat Transfer Range

### Water-based system

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

The **MagnaTrans** inks offer excellent elasticity, soft handle, high wash durability, exceptional screen performance and runnability. They can even be used on the most demanding high stretch fabrics such as spandex - when used in configuration with **MagnaTrans Migration Blocker**.

The **MagnaTrans Range** is suitable for use on manual, semi-automatic or fully automatic machine types.

The **MagnaTrans Heat Transfer Range** consists of the following products:

**MagnaTrans White** – High opacity, flexible ready to use white ink.

**MagnaTrans Neutral** – Transparent, flexible ready to use clear ink.

**MagnaTrans Black** – High opacity, flexible ready to use black ink.

**MagnaTrans Migration Blocker** – Migration blocker designed to prevent dye migration on polyester garments.

**A range of MagnaTrans Adhesives, Films and Special Effect Inks are also available. See [www.magnacolours.com](http://www.magnacolours.com) for more information.**

### Application

Printing is best undertaken using 34 – 62T (86-158) screen mesh, with a 70-75° Shore Square Edge Squeegee. Use a combination of **MagnaTrans™ White and Neutral** pigmented with **Eco-Pigments** to build up the transfer, ensuring the ink is fully dried in between each layer.

### SPECIFICATION



#### FABRIC TYPES

Cotton, Poly-Cotton Blends, Polyester\*



#### MESH

34 - 62T (86 - 158)



#### SQUEEGEE

70—75° Shore, Square Edge Squeegee



#### CURE TEMPERATURE

1 minute at 140°C (284°F)



#### PIGMENT LOADING

Up to 12% Eco-Pigments



#### 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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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.

**MagnaTrans White** is also compatible with digitally printed transfer systems including HP Indigo and Ricoh digital presses. Use **MagnaTrans White as the screen-printed under-base to your print** giving a bright white print and helping to maintain the vibrancy of your digitally printed design.

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 **MagnaTrans Transfer Adhesive** as the final backing adhesive. Alternatively, apply **MagnaTrans PU Powder 60** to the final wet layer 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.

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