



MagnaTrans™ Special Effects

Water-based 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 special effects allow for transfers to incorporate effects into the printed designs, including UV sensitive and glow in the dark properties. Suitable for use on manual, semi-automatic or fully automatic machine types.

The **MagnaTrans Special Effect Range** consists of the following products:

MagnaTrans Glow FX Green A ready to use phosphorescent printing paste for glow in the dark water-based transfers. The ink has no base colour and upon exposure to UV light glows green, lasting around 10-15 minutes once the UV light has been removed.

MagnaTrans UV Blue A coloured, light sensitive ready to use ink for water-based transfer printing. **UV Blue** gives a reversible colour change effect when exposed to UV or sunlight. When the ink is exposed to sunlight, the molecular structure of the colorant changes and becomes blue, which when the light source is removed reverses back to its original state.

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

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)



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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Application

Printing is best undertaken using 34 – 62T (86-158) screen mesh, 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 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.

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