

# Technical Fact Sheet



## Sirio Translucent

Sirio Translucent is made from ECF pulp and is FSC® certified. The paper's translucence is obtained from a large refining of fibres, rather than the air of transparency enhancers.



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## Features

- Affordable translucent tracing paper
- Ideal for 4 colour process
- Special inks required
- FSC® Certified (licensed code FSC® C010628)
- ISO 14001 Environmental Certification
- Produced with ECF pulp

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- Acid Free

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## Environmental Credentials



[Download our Environmental Fact Sheet.](#)

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## Spicers Key Icons

[Download Spicer's icons](#)

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## Application Text

- Property development brochure
- Fly leaves
- Brochures
- Inserts

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## Printing Tips

- 24-48 hours, depending on quantity of ink and process variables
- Fully oxidising inks
- Ideal for 1 or 4-colour process printing
- Total ink density: can not be more than 280%
- Anti set-off spray with high granulometry is recommended
- An in-line sealing varnish is NOT recommended as it will increase the total ink coverage
- Sirio Translucent can be printed via offset (single or 4-colour process), thermographic and screen printing processes.
- Sirio Translucent can be blind embossed and hot-foil stamped.
- Sirio Translucent can be used for dust jackets, fly leaves in brochures and magazines, printed inserts, direct mail and envelopes.
- Sirio Translucent is surface-sized in order to make it suitable for drawing and writing with manual techniques and plotters.
- The paper is particularly reactive to changes in humidity. We recommend that Sirio Translucent remain in wrapping for at least 24 hours in the printing room, prior to use. Optimum storage environment is between 21° and 23° C; relative humidity 50% ± 5%.
- The surface of Sirio Translucent is non-porous. Fully oxidising or UV-dried inks are recommended.
- Total ink density can not be more than 280%.

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- Drying times depend on the quantity of ink and process variables and may vary. Paper can be handled 24 hours after printing, provided oxidizing inks are used. Complete drying will occur within the following 24-48 hours.
- Excellent results are obtained with Under Colour Removal (UCR) and Grey Component Replacement (GCR) grading to reduce the mass of ink deposited on the paper.
- Once dry, the anchorage of the ink is very good.
- It is important to check printing variables, especially the fountain solution, which must be dosed at minimum levels to ensure emulsion is kept within modest levels. We recommend buffered pH of 5 – 5.5 with 800 – 1200  $\mu$ m conductivity. It may be appropriate to add small quantities of additives to the fountain solution to accelerate the ink polymerisation process in consultation with Ink Supplier. (remove and / or the ink)
- Anti-setoff spray is advisable with high granulometry.
- Low delivery stacks are advisable. To facilitate the drying of the oxidizing ink, it is suggested to air the paper after 12 hours from printing.
- A sealing varnish in-line is not recommended as it will increase the total ink coverage. An aqueous varnish on the printing is preferred.
- For hot foil stamping, careful adjustment to the process temperature and pressure is required. Appropriate foil and the use of specific backing material is recommended when printing large areas.
- For cutting, we recommend to employ “used blades” sharpened to 23°. Cut small stacks to no more than 5cm in height. This also applied to die-cutting.
- Fold preferably parallel to the grain direction and avoid dry conditions, especially when folding lighter grammages.
- Sirio Transluents can also be saddle stitched with care.
- In binding, we recommend to use hot melt glues. Cold glues can be used as long as they are not water-based. In binding, the glue must be placed along the grain direction.
- Sirio Translucent can be film laminated on one or both sides. We suggest you consult your supplier of film lamination. In case of humidity variation, plastic lamination only one side may cause curling problems.
- A sealing varnish in-line is not recommended as it will increase the total ink coverage. An aqueous varnish on the printing is preferred.

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## Important Note

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All statements, technical information and recommendation are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties of merchantability and fitness for the purpose: Sellers and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith.

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## Print Process

- Die cutting
- Laminating
- Foiling
- Creasing
- Folding
- Embossing
- Scoring
- Laser
- Inkjet
- Digital

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Sirio Translucents can also be sewed with metallic stitching