

## TECHNICAL INFORMATION

Cromático is a real stock dyed translucent paper.

The translucency of this paper comes from its natural production. The cellulose fibres are beaten to obtain a "jelly". Tinted, drained and dried, this gives a colourful translucent paper. Chlorine free, Cromático is 100 % recyclable.

Cromático shows low porosity and bulk (bulk=0,8).

The key point to note is that Cromático is more reactive to atmospheric conditions than conventional paper. Therefore, it will print and convert beautifully when used as recommended.

You will find hereafter some technical advice. However, for any new operation, we recommend pre-test.

## STORAGE AND USE CONDITIONS

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Before opening packaging, store unopened in the press room for a minimum of 24 hours prior to use, longer if previously stored in very different conditions.

For best results, ensure the conditions are as near ideal as possible i.e., a temperature of 17-23°C (63-73°F), 50% humidity.

Avoid high temperature drying operations (IR). If not possible, avoid abrupt changes so that the paper does not curl.

Never leave Cromático uncovered, the paper must remain wrapped or covered with plastic between all stages of press and finishing processes.

## PHOTOGRAVURE

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A 133-150 l.p.i. screen is optimum, maximum is 200 l.p.i. screen.

The use of under colour removal technique will reduce drying times.

## OFFSET PRINTING

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Air sheets during loading.

Cromático is very dense and non absorbent. Use fully oxidising inks as used for plastics. Conventional inks will extend the drying time to a week.

*Our advice :*

*The ink/water solution should be run at an absolute minimum to prevent extending the drying time, and paper distortion.*

*Reduce damping with an acidity between pH 5-6.*

*Alcohol can be increased to 13-15 % to reduce the amount of water going on to the plate, though this needs to be monitored as effects may affect the ink.*

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*When finishing is complex it can help to seal the ink with an UV varnish. Varnish only after the ink is dry. Do not use water based emulsion varnishes.  
Use a coated spray powder at least 15-20 microns particle size to prevent set-off and leave printed works undisturbed for 24 hours before any new operation.  
Rack in small piles.*

## SILK SCREENING

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Translucent paper allows use of very fine screens.

*Our advice :*                    *Aqueous based inks must be applied sparingly, avoid high temperature drying.*

## LASER COPYING :

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Laser copying as well as xerography gives excellent results. However, with high-speed machine, the paper can curl due to warming up. We recommend pre-test.

## INK JET PRINTING

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Excellent results with black ink jet. The translucent paper being low-porous, the drying time will extend another few seconds. Colour ink jet does not fit well translucent paper.

## FOIL STAMPING

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Excellent results. The paper being very dense, contact with film shall be precise.  
Respect temperature recommended by film suppliers.  
Films: the dryer, the better. Standard adhesives will work well.

*Our advice :*                    *Care with pressure to avoid unwanted embossing.*

## VARNISH

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Glossy varnish gives excellent results especially on Cromático dark colours.

*Our advice :*                    *Machine varnishes demand two lights passes for better appearance, and shorter drying time, with UV varnish one application is generally sufficient.*

## FOLDING – SCORING – EMBOSSING

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Over 100g/m<sup>2</sup>, Cromático demands scoring before folding.  
Cromático does not delaminate, and the usual working conventions based on substrate thickness may be inappropriate.

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We recommend experimentation to find the best combination of channel width and depth, and creasing rule width.

*Our advice :*                      *Over 135g/m<sup>2</sup>, we recommend double creasing before folding. Folding in the grain direction is better. Care with pressure.*

## TRIMMING – CUTTING

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Cromático is extremely dense: do not use a newly sharpened blade.  
A slightly dull but polished 23°-bevel angle blade is ideal.

*Our advice :*                      *Cut in small racks – 2'' (5 cm) maximum thickness.*

## BINDING

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Cromático saddle stitches well.

*Our advice :*                      *With light weight translucent paper, we recommend outer wraps re-enforcement.*  
*For adhesive binding, the binding should preferably be parallel to grain direction.*  
*Aqueous based adhesives glues may cause curling, use hot melt glues for better results.*  
*Thibierge & Comar has endeavoured to ensure this information is correct ; however we do not accept liability for any errors or omissions.*

## INSERTION

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Translucent may be inserted in coated or uncoated paper as long as the humidity level of the paper is close to that of the translucent at the time of insertion, i.e. 50% RH.