
Curious Collection.

◀ arjowiggins

PRINTING TIPS

Curious Collection. Translucents

Curious Collection Translucents are naturally translucent papers for designs where layering or show through is desired. They are more reactive to atmospheric conditions than conventional papers. These are unique papers. For best results, follow these recommendations. We strongly suggest pre-testing.

Applications

Overlays and dividers for books and brochures, cards, and invitation and envelopes for direct mail.

Composition

Curious Translucents are naturally translucent made with 100% wood fiber and never with the use of translucentizing chemicals.

Food packaging

Curious Translucents Clears are FDA compliant for food contact. Please contact Mohawk for details.

Storage and use

Store unopened in the original packaging for at least 24 hours. Avoid exposure to uncontrolled humidity or excessive heat or cold. Keep covered until the paper is about to go on press. Curious Translucents are very dense. Treat each basis weight as if it was a lighter weight, i.e. 36 Text / 140 gsm should be treated as if it were a 29 text / 112 gsm. Print room conditions are critical. Aim for a consistent RH of 45-55% and a temperature of 17-23°C. (63-73°F).


Design and pre-press

Avoid large areas of solid composite color. Employ under-color removal where appropriate. Use screens of 130-150 lpi.

Printing inks

Use hard-drying, fully oxidizing inks, as you would use for plastics and foils. Use UV inks with care. Drying agents can be added to the ink to a maximum of 1%. More than this can have a detrimental effect to drying.

Digital with i-Tone®

Digital with i-Tone papers designated by  have been carefully engineered to deliver superior performance on today's digital color production presses. Mohawk's proprietary i-Tone surface treatment has a unique affinity for both liquid and dry toners. The true benefit of i-Tone is seen in consistent, high-fidelity image quality, greater durability, and better toner adhesion—even on textured paper surfaces.

Digital printing guarantee

Mohawk cut size papers that are denoted by a  or  symbol are guaranteed to run in office copiers, laser and inkjet printers or digital color production presses within the limits determined by the equipment manufacturer. These same papers are perfectly suited for small format offset and DI presses. Because machine specifications or paper thickness, surface texture and sheet sizes vary widely between equipment brands, Mohawk encourages testing paper on your particular printer before committing to a large program.

The Mohawk digital printing guarantee is limited to replacement cost of the paper only and is void if using paper outside of your manufacturer's recommended paper specifications or weight, size and finish. All claims are subject to Mohawk Fine Papers, Inc. complaint handling procedures and policies.

Dampening solution

The ink/water solution should be set at a minimum. Dampening solution should have a pH balance of 5.

Printing

Air sheets well during loading. Run as fast and as dry as the sheet permits. Limit the number of passes through the press to as few as possible. To prevent set-off, use 15-20 micron coated spray powder, rack in small piles, air frequently and keep covered.

Finishing

Where complex finishing is required, seal the ink with a UV varnish. The finishing environment should have the same conditions as the print room.

Trimming / cutting

Use a slightly dull but polished 23° bevel angle blade. Cut into small stacks - maximum thickness 2 inches (5cm).

Folding and scoring

Fold parallel to the grain if possible. Fold away from the bead. Do not fold in low humidity conditions, or after the paper has dried in earlier processes. Suitable for knife folding.

Pre-creasing is required for weights of 100 text / 148 gsm and above using a rounded creasing tool and matrix.

Embossing

Avoid using very sharp tools.

Binding

Curious Translucents can be saddle stitched / stapled. Adhesive binding should be parallel to the grain direction. Hot melt glues are preferable – use aqueous adhesives sparingly. Wrap finished results in a waterproof material.

Note: Metal products differ from others in having a surface coating. When printing these it may be necessary to clean the blanket periodically.

Curious Collection. Particles

Curious Collection Particles is a 100% recycled, flecked paper with inclusions for added interest. These are unique papers. For best results, follow these recommendations. We strongly suggest pre-testing.

Applications

This 100% recycled paper is flecked with inclusions and is ideal for stationery, menus, cards, folders and packaging with a unique, handmade paper look.

Screen ruling

Curious Particles papers are perfectly suited to offset printing. For halftone printing it is not usual to exceed 150 lpi but with careful ink control, rulings of 200 lpi can be used. When four color printing there may be some benefit in using under-color removal techniques and/or the use of 'Stochastic' (FM) screening technologies.

Printing inks

Use conventional positive drying, quick setting, 'hard dry' inks, with or without I.R. drying assistance. Avoid the use of press stable / stay fresh ink systems. UV cured inks can be used.

Paper handling and tips to avoid set-off

Curious Particles is not prone to set-off, however, as with all heavyweight boards, they will require some care. As the delivery stack grows quickly when printing boards, select a slow press speed and do not allow the delivery stack to become too large, as the prints at the bottom of the stack will still be wet and therefore less resistant to marking. It may be helpful to turn off the delivery sheet jiggers and use a course spray powder around 35 microns. The sheet gripper release should be adjusted so the board lands gently in the delivery with the minimum of movement. Protect the paper from environmental changes in humidity and temperature at all times by the use of pallet covers or stretch wrap.

Varnishing and sealing

Be certain the printing inks are suitable for UV varnishing and ensure they are thoroughly dry before sealer and varnish application. A gloss varnish is not easily achieved. Best gloss results are achieved by printing UV silk-screen matte varnish and then overprinting with gloss UV varnish. Other machine varnish applications are not advisable as a visual effect will not be achieved. Consider printing a clear foil stamp as an alternative. Sealers can be used to give minimal protection to printed material to help avoid marking when further processing is required. Be certain the printing inks are suitable for sealer application. Best results are obtained when applying the sealer after the inks are thoroughly dry.

Embossing (blind)

Embossing may be done with relative ease on Curious Particles. It is recommended to have the corners of the die rounded off to help prevent creases forming from them.

Die cutting

Die cutting can be performed without difficulty on Curious Particles.

Laser cutting

Laser cutting can be performed easily on Curious Particles, however, as with any paper, there will be some scorching evident around the cut area.

Foil stamping

Curious Particles will accept foil stamping readily. A trial is always recommended to ensure the results are acceptable with a particular foil.

Scoring

We recommend scoring Curious Particles cover weights by a channel and matrix system before folding to help avoid cracks appearing at the fold.

Die stamping

Die stamping may be performed with relative ease on Curious Particles.

Thermography

Curious Particles has an open surface which can reduce printed ink tack. As such it may be difficult to achieve good thermographic prints depending upon the image and the amount of ink applied. A trial is recommended.

Screen printing (serigraphy)

Curious Particles can be printed by the screen printing process. It is particularly useful when wanting to print an image lighter than the paper color such as printing white ink on black paper. Regular paper and board inks can be used on Curious Particles but when ink opacity is necessary vinyl inks give good results.

Curious Collection. Metallics

Curious Collection Metallics have a rich, glittering alloy that adds a shimmer, visual appearance and tactile feel in 24 beautiful colors. These are unique papers. For best results, follow these recommendations. We strongly suggest pre-testing.

Applications

Annual reports, brochures, posters, report covers, greeting cards, invitations, box wraps, end papers, menus, cool stationery and catalogue covers.

Please note

The unique surface of these papers will interplay with printed images in interesting ways. The distinctive metal-like surface of the papers will show through the ink and may reduce the image contrast, all as part of the designer's intended effect. By the same token, deep, solid areas of black or blue can be difficult to achieve; this is not a paper defect but a natural characteristic of metallic/iridescent papers. On press, it is normal for some of the special surface coating to transfer to the blanket. Blankets are likely to require cleaning after 4,000 impressions or more.

Technical information

Please note that due to the optical effect of these papers, the print result will differ from standard uncoated sheets.

Print techniques

Suitable for widely used print techniques, including offset lithography, letterpress, embossing, debossing, silk-screening, die-stamping and foil-stamping. A pre-test is recommended for thermography.

Inks

We recommend using fully oxidizing inks. Please consult your ink manufacturer for specific colors or formulations. Curious Metallics do not contain ground metals and are not foil papers.

Screen ruling

To ensure maximum clarity, we recommend screen rulings of 150 lpi. Under-color removal may be required on jobs with large dark areas.

Varnishing

Silk-screen UV varnishing is the only method to achieve a good gloss finish on this absorbent paper. Ensure sheet is pre-sealed with acrylic or glycol sealer. A matte UV varnish must be laid down prior to gloss UV varnishing. Repeat varnishings may be required. We do not recommend other machine varnish applications.

Sealing

Sealers can be used to avoid marking during further processing and handling, although the papers' metallic nature will be compromised.

Laminating

The paper accepts laminates easily, although some 'silvering' may occur. Increase laminating pressure and apply excess adhesive to help reduce silvering. Laminates will reduce or negate the metallic effect.

Spraying

We recommend using spray powder with a particle size of 35 microns or above when printing board weights.

Folding and scoring

To guarantee good folding results, prior creasing is recommended for basis weights of 65 cover / 176 gsm and above. Creases should be made parallel to the grain. A creasing rule and matrix system should also be used. Fold into the bead for prominent folds.

Digital with i-Tone®

Digital with i-Tone papers designated by **DI** have been carefully engineered to deliver superior performance on today's digital color production presses. Mohawk's proprietary i-Tone surface treatment has a unique affinity for both liquid and dry toners. The true benefit of i-Tone is seen in consistent, high-fidelity image quality, greater durability, and better toner adhesion—even on textured paper surfaces.

Digital printing guarantee

Mohawk cut size papers that are denoted by a **D** or **DI** symbol are guaranteed to run in office copiers, laser and inkjet printers or digital color production presses within the limits determined by the equipment manufacturer. These same papers are perfectly suited for small format offset and DI presses. Because machine specification for paper thickness, surface texture and sheet sizes vary widely between equipment brands, Mohawk encourages testing paper on your particular printer before committing to a large program.

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Curious Collection. Cosmic

Curious Collection Cosmic has shimmering, reflective colors with an extraordinary, soft matte metal effect and a remarkable, patented tactile feel. These are unique papers. For best results, follow these recommendations. We strongly suggest pre-testing.

Applications

Any applications for which an unusual effect is desired: brochure covers, luxury invitations, prestigious press filings, unique packaging. Its homogenous, deep metallic, matte and soft surface will enhance any print techniques.

Storage and handling

As with all papers, please ensure this product has acclimatized to the local environment before opening. It is recommended to protect the paper from changes in humidity between different processes. Because of the unique surface properties of Curious Cosmic, we strongly recommend to use cotton gloves when handling the paper, to avoid any marking.

Technical information

Please note that due to the unique surface of Curious Cosmic, special care must be taken when printing and converting this product. All machines should be prepared to avoid damaging the unique surface. Check the position of star wheels and cylinder sheet guides. Ensure any feed table furniture is adjusted to minimum pressures and use soft brushes and guide wheels. Adjust sheet jammers to minimum contact or turn them off if possible. Delivery stacks should be kept small to help prevent set-off and promote good sheet ventilation to assist ink drying. A slow running speed is recommended. It is essential to run some sheets through the press prior to printing to ensure the surface of the Curious Cosmic is not being marked. Consult Mohawk technical support for further assistance.

Print techniques

Suitable for widely used print techniques, including offset lithography, letterpress, embossing, debossing, silk-screening, die-stamping and foil-stamping. A pre-test is recommended for thermography.

Offset printing

We recommend avoiding large areas of solid composite color and employing under-color removal (UCR) where possible.

Inks

Curious Cosmic is non-absorbent. It is essential to use hard-drying, fully oxidizing inks with conventional presses for good ink drying, as you would for plastics and foils.

Alcohol damping using 10-15% gives good results. The damping solution should be kept to a minimum and have a pH balance of 5.5 + / - 0.5. We recommend waiting 72 hours after printing prior to further processing. UV inks are suitable in conjunction with suitably equipped presses. Metallic ink drying times vary widely depending on ink color and coverage. Seek advice from your ink supplier. Drying agents may be added to the ink and/or fountain solution as recommended by the manufacturer, particularly when the ink coverage is small and there is a risk of ink emulsification. The plate will require less damping when printing Curious Cosmic compared to standard offset papers. Presses with integrated fountain systems may not be suitable due to the limitations of damp control.

Screen ruling

To ensure maximum clarity, we recommend screen rulings from 133 to 175 lpi. Stochastic screens may also be used.

Blind embossing

Curious Cosmic is ideally suited to blind embossing. The corners of the die should be rounded off to avoid creasing or splitting. For die cutting, hardened single bevel cutters will give the best results. Avoid acute internal angles and sharp radii that may give rise to unnecessary weakness. Retention points must be as small and as few as possible.

Foil-stamping

Curious Cosmic can be successfully foil-stamped and gives great results using foils suitable for plastics.

Silk-screen printing

UV silk-screen printing gives very acceptable results, as does conventional silk-screen printing using vinyl inks in conjunction with drying ovens. An oven temperature adjustment could be required to prevent the surface from being altered. For best results, use fine mesh screens and light ink film.

Spot UV varnishing

This technique enhances the paper's metallic effect on some colors, while adding glossiness, for a unique result. For best results, we recommend UV silk-screen varnishing.

Film lamination

A pre-test is recommended. Cosmic can be film laminated, however, the visual effect will change and the tactile effect will be lost.

Spraying

As a guide, we recommend using powders between 20 and 30 microns. Ensure the powder is applied evenly and a sufficient amount is used to avoid set-off. The delivery piles must be kept small to avoid set-off.

Folding and scoring

To ensure good folding results, pre-creasing is always recommended. Whenever possible, prominent creases should be made parallel to the grain of the sheet. A creasing rule and matrix system should always be used. After creasing, fold into the bead. Curious Cosmic can be folded on normal buckle and knife folding equipment. Ensure the equipment is thoroughly clean to avoid marking the unique surface.

Binding, gluing and guillotining

It is possible to bond Curious Cosmic papers to themselves and to other materials using hot melt or acrylic type adhesives suitable for plastics. When using spiral and comb type bindings ensure that cutters are kept sharp. Round shank wire and round holes are preferred. Curious Cosmic can be wire stitched or perfect bound with PUR adhesive. When guillotining and trimming use a clean, well honed, sharp blade to prevent nicking and debris.

Sealing

Consult your ink supplier for advice on the most suitable sealers.

Desktop compatibility

Curious Cosmic papers are not suitable for laser or inkjet printing.

Curious Collection. Matter

Curious Collection Matter is an innovative paper featuring potato starch to create an intriguing tactile experience. These are unique papers.

For best results, follow these recommendations.

We strongly suggest pre-testing.

Applications

Curious Matter, with its extremely distinctive rough surface, is ideal for brochures, invitations, report covers, packaging (folded boxes, rigid boxes...) and any application where an outstanding homogenous and matte surface along with an enigmatic touch is required.

Technical information

Please note that due to the unique surface of Curious Matter, special care must be taken when printing and converting this product. For best results, see the guidelines below:

Select a slower press speed for board printing. Do not allow the delivery stack to become too large; prints at the stack bottom will stay wet and be less resistant to set-off. The Curious Matter papers have an extremely fine surface texture, thus they should be handled with caution after printing to avoid any friction at the paper surface. Please note the dark colors of Curious Matter can mark other papers when there is friction. Protect paper from environmental humidity and temperature changes by always using stack covers and stretch wrap. The surface roughness of the Curious Matter can be reduced by pressure process e.g. embossing. A test should be done to ascertain if the final roughness remains acceptable. The direction of the grain is always parallel to the long side (grain direction is always the second number indicated in the stock size of the sheet. Example: 700 x 1000).

Offset printing

For optimum results, increase the blanket pressure or use a softer blanket to achieve consistent ink lay down. Conventional positive drying inks should be used with or without Infra Red drying assistance. Fully oxidizing inks or UV inks may also be used. Always allow sufficient drying time.

Screen ruling

For optimum print results with Curious Matter papers, a screen of 133 - 150 lpi should be used. For dark 4-color images with high ink density, under-color removal maybe used. Aim for the total ink film weight of 2 0%. This will also help to reduce ink drying time.

Varnishing

The Curious Matter papers can be UV varnished by screen printing. However several applications may be required to cover the texture of Curious Matter. Consider printing a matte UV varnish to make a good base for a gloss varnish.

Blind embossing

Curious Matter is ideally suited to blind embossing. The corners of the die should be rounded off to avoid creases.

Cutting

Curious Matter may be laser cut or die cut without difficulty.

Film laminating

Curious Matter will accept film lamination but there may be some "silvering" due to its unique fine surface texture. The touch effect of the paper will be lost. A trial is recommended to ensure the results are acceptable for the job design.

Foil-stamping

Curious Matter accepts most hot foils easily. It is recommended to perform a trial if specialist foils are required, e.g. pigmented or holographic foils.

Folding and scoring

To guarantee good folding results, prior creasing is recommended on both text and board weights. Predominant visual creases should be made parallel to the grain of the board. For best results, a creasing rule and matrix system should be used. Fold into the bead for prominent folds. For instance, with 2pt rule 23,25 high a 0.5 x 1.4 XTC matrix is appropriate for the 141 cover / 380 gsm, while a 0.4 x 1.3 XTC matrix gives good results with the 100 cover / 270 gsm.

Inkjet printing

The Curious Matter papers are not compatible with Inkjet printing.

Silk-screen printing

Paper and board inks, vinyl inks and UV inks can be used.

Binding and gluing

It is possible to bond Curious Matter Papers to themselves and to other materials using common adhesives. Standard binding techniques can also be used.


Lamination

Caution should be taken to avoid marking the Curious Matter surface when laminating. We suggest wrapping completed boxes with a protective paper or insert into a plastic bag. Please note the dark colors of Curious Matter can mark other papers when there is movement between them.



Handling of envelopes

Curious Matter offers a range of stocked envelopes. Should you wish to produce special sizes, we recommend testing for automatic converting, labeling and closing due to the special nature of the paper. Special makings of Curious Matter for non-standard sizes or basis weights are available according to your specific requirements.

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Digital printing guarantee

Mohawk cut size papers that are denoted by a  or  symbol are guaranteed to run in office copiers, laser and inkjet printers or digital color production presses within the limits determined by the equipment manufacturer. These same papers are perfectly suited for small format offset and DI presses. Because machine specification for paper thickness, surface texture and sheet sizes vary widely between equipment brands, Mohawk encourages testing paper on your particular printer before committing to a large program.

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Curious Collection. Touch

Curious Collection Touch has a soft, velvety texture as remarkable as it appears. These are unique papers. For best results, follow these recommendations. We strongly suggest pre-testing.

Applications

Curious Touch is ideal for distinctive brochures, report covers, folders, dividers, book covers, box wraps, high-end packaging, and countless other applications that call for a very unique, touchable surface.

Technical information

Because of its unique finish, we only recommend printing on Curious Touch with UV inks.

Print techniques

Curious Touch is suitable for offset lithography—subject to the technical provisions regarding UV inks detailed below—as well as embossing, debossing, screen printing and foil stamping. Please be aware that heavy ink coverage will compromise the Curious Touch surface.

Offset printing

For best offset litho results, we recommend only printing the unique Curious Touch finish with UV inks. The untreated side can also be printed using UV inks. It is possible to use conventional fully oxidizing inks on the untreated side only, providing exceptional care is taken: i.e., use an anti-set-off spray of at least 35 microns; always rack printed sheets in small piles; and use under-color removal for images with large dark areas. (Again, if UV inks are used, the above precautions are not necessary.)

Screen ruling

When printing on Curious Touch excellent results can be achieved with screen rulings of 133 to 150 lpi. However, finer rulings may be used with careful ink control, including the use of under-color removal. Stochastic screenings may also be used.

Blind embossing

Curious Touch is ideally suited to blind embossing. The corners of the die should be rounded off to avoid creases.

Foil-stamp

Curious Touch can be foil-stamped. However, due to the unique surface the foiled image may appear to have a matte finish. Please test to ensure that the foil is compatible.

Silk-screen printing

UV silk-screen printing gives very acceptable results, as does conventional silk-screen printing in conjunction with drying ovens.

Varnishing

It is possible to varnish Curious Touch but it will alter the soft effect of the surface. Silkscreen UV varnishing is the only method to achieve good gloss results. Ensure the sheet is sealed with an acrylic or glycol sealer beforehand. Lay a matte UV varnish down to seal the surface and then use gloss UV varnish to get the desired effect. Repeat varnishings may be required to achieve high gloss results.

Sealing

Sealing is not recommended for the soft side of this product, although there may be benefits in sealing the untreated side to help prevent marking. We recommend pre-testing.

Laminating

It is uncommon for Curious Touch to be laminated on the specially treated side, as the 'soft' effect would be lost. However, the untreated side laminates easily. Please note that some 'silvering' may occur. Increase laminating pressure and apply excess adhesive to help reduce silvering.

Folding and scoring

To guarantee good folding results, prior creasing is recommended using a creasing rule and matrix system for the 111 cover / 300 gsm product. Always fold into the bead. The 80 text / 120 gsm product can be folded easily on a buckle plate or knife folding machine.

Compatibility

Curious Touch is not guaranteed for inkjet or laser compatibility. However, acceptable results can be obtained on some inkjet printers. A trial is, therefore, recommended.

Handling of envelopes

Due to the special nature of the Curious Touch Soft envelopes, we recommend manual labeling and hand inserting.

Curious Collection. Skin

Curious Collection Skin has a distinctive matte surface and saturated, vibrant colors that invite touch and feel. These are unique papers. For best results, follow these recommendations. We strongly suggest pre-testing.

Applications

Brochures, invitations, luxury packaging and any application where an outstanding homogeneous, matte surface is required.

Technical information

Please note that due to the unique surface of Curious Skin, special care must be taken when printing and converting this product. For best results, see the guidelines below.

Print techniques

Suitable for widely used print techniques, including offset, letterpress, embossing, debossing, silk-screening, die-stamping and foil-stamping. A pre-test is recommended for thermography.

Inks

The White, Ivory and Stone shades work well with standard inks. We recommend using fully oxidizing inks for all other colors in the Curious Skin range. For processes requiring specialized inks e.g. metallics, please consult your ink supplier.

Screen ruling

To ensure maximum clarity, we recommend screen rulings of 175 lpi. Under-color removal should be considered for jobs with large dark areas of ink.

Blind embossing

Curious Skin is ideally suited to blind embossing. The corners of the die should be rounded off to avoid creases.

Foil-stamping

Curious Skin can be successfully foil-stamped. Test first to ensure that the film is compatible

Silk-screen printing

UV silk-screen printing gives very acceptable results, as does conventional silk-screen printing using vinyl inks in conjunction with drying ovens.

Spot UV varnishing

For best results, we recommend UV silk-screen varnishing.

Sealing

Sealers can be used to avoid marking during further processing and handling, although the papers' matte aspect may be compromised depending on the choice of sealer and coat weight.

Film lamination

The paper accepts laminates easily. However the visual aspect and feel of the paper will be lost.

Spraying

We recommend using spray powder of at least 15 microns for the 91 text / 135 gsm and 35 microns or above when printing 100 cover / 270 gsm or 141 cover / 380 gsm.

Storage and handling

As with all papers, please ensure this product has acclimatized to the local environment before opening. It is recommended to protect the paper from changes in humidity between different processes.

Binding and gluing

It is possible to bond papers to Curious Skin with appropriate adhesives. Curious Skin can be saddle stitched, section sewn and comb bound. When using spiral binding, round holes and round shank wire perform best. Curious Skin can be perfect bound with PUR glue.

Digital with i-Tone®

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Digital printing guarantee

Mohawk cut size papers that are denoted by a **D** or **DI** symbol are guaranteed to run in office copiers, laser and inkjet printers or digital color production presses within the limits determined by the equipment manufacturer. These same papers are perfectly suited for small format offset and DI presses. Because machine specifications or paper

thickness, surface texture and sheet sizes vary widely between equipment brands, Mohawk encourages testing paper on your particular printer before committing to a large program.

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Folding and scoring guidelines

All three basis weights (91 text / 135 gsm, 100 cover / 270 gsm, 141 cover / 380 gsm) of Curious Skin require pre-creasing. Superior results can be achieved if the creasing bulge faces inwards. Both cross direction and in-grain folding is possible.

Sharp-edged creasing tools must not be used. The creasing rule should be centered on the creasing channel. As with any paper, we do not recommend printing a large solid across the predominant folds.

Our Guideline

Basis Weight	Thickness (micron)	Creasing knife	Creasing groove
91 text / 135 gsm	135 m	2 pt / 0.7 mm	0.9 mm
100 cover / 270 gsm	260 m	2 pt / 0.7 mm	1.1 mm
141 cover / 380 gsm	385 m	2 pt / 0.7 mm	1.3 mm

CITO

Basis Weight	Thickness (micron)	Creasing knife	Creasing groove
100 cover / 270 gsm	260 m	0.5 mm	1.3 mm
141 cover / 380 gsm	385 m	0.7 mm	2.3 mm

Packaging Producer

Basis Weight	Thickness (micron)	Creasing knife	Creasing groove
141 cover / 380 gsm	385 m	1.42 or higher	2 mm (calculated)

1. Calculation of channel width:

To calculate the channel width use the following formula:

Channel width = Caliper x 1.5 + thickness of scoring tool
Example: Paper caliper 0.25 mm

Thickness of creasing rule 0.71 mm
 $0.25 \text{ mm} \times 1.5 = 0.375 \text{ mm} + 0.71 \text{ mm} = 1.085$
so use 1.1 mm wide matrix

2. Channel depth:

The depth of the matrix channel should be no less than the thickness of the paper.

3. Creasing rule height:

The creasing rule height is determined by the cutting rule height minus the thickness of the paper, minus the thickness of the matrix base.

e.g. 23.8 (cutting rule)
- 0.5 (paper caliper)
- 0.1 (matrix carrier)
= 23.2 mm (creasing rule)

Curious Collection with i-Tone®

See below for more details on digital printing with Curious.

Curious Collection with i-Tone®

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Applications

Digital printing is a favorite way to bring invitations, posters, brochures, and self promotions to life, with the added capability of personalization, making it ideal for direct marketers as well.

Design considerations

Digitally printed images tend to be more opaque on Curious Metallics for digital, leading to incredible intensity, but less shimmer from the sheet because of the toner's opacity.

Color will pop off the surface of Curious Skin digital items with great contrast between the very bright Extra White shade and the intense print density of digital printing.

Darker colored digital items will require printing with metallic or white toner or ink.

OEM Certification and Compatibility

The Curious Collection i-Tone items have been certified for use on HP Indigo Presses. They are also cross platform and tested for compatibility with many popular dry toner production presses from Canon, Konica Minolta, Kodak, MGI, Ricoh and Xerox. Due to the unique characteristics of Curious items, testing is recommended prior to any large job to ensure customer expectations are met.

Precision Sheeting

The Curious Collection with i-Tone products are precision sheeted in digital sizes to increase on-press performance and maximize up-time.

Further info

Please seek technical advice if further information is required. Please note the information and advice contained in this section is the property of Arjowiggins Fine Papers Ltd and may be subject to change without prior notice. The printing information is for guidance only so ensure the work processes are discussed with the relevant printers prior to printing. Any new undertakings should be trialed first.

Please note

Arjowiggins Creative Papers and Mohawk have endeavored to ensure this information is correct; however, we do not accept liability for any error or omission. We reserve the right to update this information without prior notice. For further details, please contact your paper merchant, or call Mohawk Customer Service:

1-800-the-mill

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For information and samples, please contact your local merchant or call Mohawk at 1-800-THE-MILL.

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