

Keaykolour
by antalis

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July 2024

With a chromatically rich colour pallet ranging from 120 up to 450gsm, Keaykolour enables you to answer all your customers' needs, from corporate identity, creative applications to luxury packaging.

Also available in digital format Keaykolour gives you endless possibilities to let your imagination and creativity run wild.

Unleash your creativity with the 45 shades of Keaykolour!

COLOURS CATEGORIES

WHITES	China White, Pure White, Snow White
PASTELS	Biscuit, Pastel Blue, Pastel Green, Pastel Pink
COLOURS	Albatross, Atoll, Azure, Baltic Sea, Basalt, Blackberry, Camel, Cappuccino, Caribbean Blue, Carmine, Chalk, Chili Pepper, Cobblestone, Coral, Deep Black, Grey Fog, Guardsman Red, Holly, Indian Yellow, Kiwi, Lichen, Lipstick, Matcha Tea, Meadow, Navy Blue, Old Rose, Orchid, Parchment grey, Parchment Natural, Port Wine, Prune, Pumpkin, Rosebud, Royal Blue, Seal, Sequoia, Sombre Grey, Steel
EXTRA ROUGH	Black, White
EMBOSSSED	Black, White



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Printing Guidelines

Design and pre-press

A screen of 133-150 lpi should be used. Finer screen up to a maximum of 200 lpi can also give very good results with careful ink density control. For dark 4-colour images with high ink density, under colour removal may be required depending on the visuals. Aim for the total ink film weight of 260%.

Offset litho printing

For optimum results on boards increase the blanket pressure or use a softer blanket to achieve consistent ink lay down.

Printing inks

Conventional positive drying inks should be used with or without infra-red drying assistance. Oxidizing inks or UV inks may also be used. Avoid using overnight / stay fresh / duct stable inks. Allow sufficient drying time. Use laser stable inks for subsequent laser printing. Consult your ink supplier about specific projects to ensure ink suitability.

Paper handling

To avoid marking and set-off when printing multiple colours, 35µ anti set-off spray for boards and 20µ for paper weights are recommended. Turn off the delivery stack jogger and restrict the delivery pile when printing boards. Always protect paper from environmental humidity and temperature changes by using stack cover or stretch wrap.

Sealer and coatings

They can be used to reduce marking for further operation. Ensure the inks are suitable and best results are achieved when the inks are dry before sealing.

Varnishing

For a gloss varnish, it is essential to pre-seal the surface with silk screen applied matt UV varnish, followed by subsequent applications of gloss UV varnish to achieve the desired effect. Ensure suitable inks are used prior to varnishing and that the inks are completely dry before varnish application. Not recommended for paper weights. Consider a clear hot foil as an alternative.

Hot foil stamping and Thermography

Keaykolour accepts hot foil stamping easily. We recommend to trial thermography before production.

Die Stamping and Blind embossing

Keaykolour can be die stamped with superior result and very detailed imagery. It can also be blind embossed, we recommend to have the corners of the die rounded off to help prevent creases forming from them.

Die and laser cutting

Keaykolour paper and boards can be die cut. While laser cutting some scorching will be apparent around the cut area. Laser cut papers are more prone to miss-feeds and jams within office printing technologies.

Binding and adhesives

Standard adhesives and binding techniques can be used.

Office Printing

Low weight Keaykolour papers often give acceptable results for text and simple graphic application.

Digital technologies

Keaykolour is suitable for Dry Toner and Keaykolour Digital is certified for HP Indigo printing (certification pending for Keaykolour Holly).



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Dry Toner®

Property & Unit	Standard					
GSM	ISO 536	120	170	250	300	450
Caliper (µm)	TAPPI T411	170	240	350	405	610
Bendtsen roughness [felt/ wire] (ml/min)	TAPPI T538	850 / 600	1000 / 750	1200 / 800	1200 / 850	1400 / 1400
Stiffness MD (mN)	ISO 5628:2493	25	75	250	420	1300
Stiffness CD (mN)	ISO 5628:2493	15	30	120	190	560
Moisture content (%)	TAPPI T412	7.0				
Relative humidity (%)	TAPPI T415	30 - 60				

* For further information regarding the HP Indigo certified items, please refer to Keaykolour Digital data sheet

These values are to be considered only as indications and are subject to change according to trade tolerances in the quality specification. Issue date: July 2024



Dry Toner®

Property & Unit	Standard		
GSM	ISO 536	120	300
Caliper (µm)	TAPPI T411	160	405
Bendtsen roughness [felt/ wire] (ml/min)	TAPPI T538	600 / 450	1000 / 750
Stiffness MD (mN)	ISO 5628:2493	21	355
Stiffness CD (mN)	ISO 5628:2493	12	172
Moisture content (%)	TAPPI T412	7.0	
Relative humidity (%)	TAPPI T415	30 - 60	

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Dry Toner®

Property & Unit	Standard					
GSM	ISO 536	120	170	250	300	450
Caliper (µm)	TAPPI T411	170	240	350	440	610
Bendtsen roughness [felt/ wire] (ml/min)	TAPPI T538	850 / 600	1000 / 750	1200 / 800	1200/850	1400 / 1400
Stiffness MD (mN)	ISO 5628:2493	25	75	250	420	1300
Stiffness CD (mN)	ISO 5628:2493	15	30	120	190	560
Moisture content (%)	TAPPI T412	7.0				
Relative humidity (%)	TAPPI T415	30 - 60				

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Dry Toner®

Property & Unit	Standard			
GSM	ISO 536	120	170	300
Caliper (µm)	TAPPI T411	170	240	420
Bendtsen roughness [felt/ wire] (ml/min)	TAPPI T538	850 / 600	1000 / 750	2500/2500
Stiffness MD (mN)	ISO 5628:2493	25	75	415
Stiffness CD (mN)	ISO 5628:2493	15	30	160
Moisture content (%)	TAPPI T412	7.0		
Relative humidity (%)	TAPPI T415	30 - 60		

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Property & Unit	Standard	
GSM	ISO 536	340
Caliper (µm)	TAPPI T411	480
Bendtsen roughness [felt] (ml/min)	TAPPI T538	1700
Moisture content (%)	TAPPI T412	7.0
Relative humidity (%)	TAPPI T415	30 - 60

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Property & Unit	Standard	
GSM	ISO 536	340
Caliper (µm)	TAPPI T411	>420
Bendtsen roughness [wire] (ml/min)	TAPPI T538	1100
Moisture content (%)	TAPPI T412	7.0
Relative humidity (%)	TAPPI T415	30 - 60

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