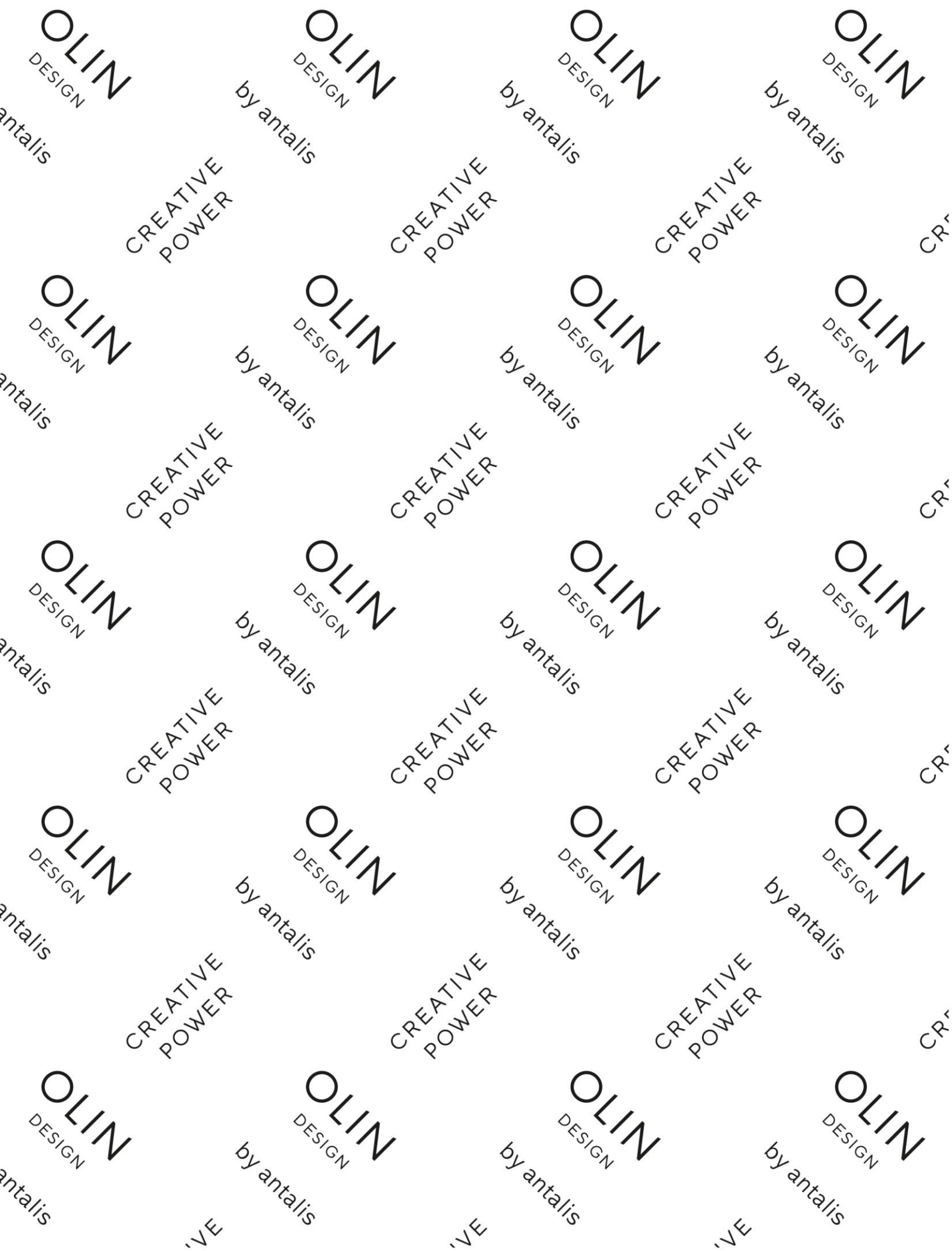




October 2024

OLIN Design Regular Digital offers the whitest premium uncoated paper of the market for digital printing. From papers to boards the products are available in different weights and are certified EU-Ecolabel.



Olin Design Regular Digital is certified for HP Indigo, suitable for Dry Toner and available in ready-to-use in SRA3+ and B2+ formats.

OLIN Design Regular Digital is perfect for corporate communication, annual reports, business cards, letterheads, order forms, programmes, invitations, leaflet, books, luxury packaging, etc.

Printing Guidelines

Preparation

- Store at room temperature (17-23°C), at a relative humidity of 50%, from 24 to 48 hours before use.
- Protect the paper against any risk of moisture during the whole process. In particular, unwrap the paper only at the last moment before printing and rewrap it immediately after the print run.
- Do not use set-off powder when printing.

Pre-press

- Large printed surface: under colour-removal necessary.
- Intense full colours black: Blue support (40%)
- Recommended colours: one or several support colours recommended
- Screen ruling: 150 max.

Printing

- Litho offset: Suitable.
- Laser printing: Fully suitable from 80g to 150g. Use appropriate inks.
- Pre-printing: Fully suitable from 80g to 150g. Use appropriate inks that are laser compatibles.
- Screen printing: suitable.

Finishing and conversion

- Embossing & die-stamping: all techniques can be used.
- Hot foil stamping: no precautions are necessary when using conventional foil stamping techniques. Foil blockers can recommend the best foil to suit the image and paper chosen.
- Varnishing: possible but trials to be made first.
- Lamination: not recommended.
- Scoring: starting at 150g, scoring with counterpart.
- Cutting: it is recommended to wait 24hours after the printing. Ensure that the blade of the guillotine is sharp enough in order to avoid dust deposits.



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October 2024

REGULAR DIGITAL Ultimate White

Dry Toner ®



Property & Unit	Standard					
GSM	ISO 536	120	200	240	300	350
Thickness (µm)	ISO 534	162	271	326	380	445
Bulk (cm3 /g)	ISO 534	1.35	1.35	1.36	1.27	1.27
Roughness (ml/min)	ISO 8791-2	245	245	245	245	245
Absolute Humidity (%H2o)	ISO 20287	5.3	5.3	5.3	6.0	6.0
Relative Humidity (% in aire)	Sword measuring	42	42	42	48	50
Opacity (%)	ISO 2471	98	>99	>99	>99	>99
Formation (index on 120)	Kajaani measuring	90	90	-	-	-
Whiteness CIE	ISO 11475	170				

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



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Permanence of [REDACTED] PAPERS

The problems encountered by the archivists and librarians in the last century with the papers produced from wood pulp with acid sizing after 1850 led ISO organization to establish a international standard about paper permanence.

The ISO 9706 standard defines the papers which, by the present state of knowledge, have a high degree of permanence, and are likely to undergo little or no change in properties that influence readability and handling when stored in a protected environment for long periods of time.

The last fifteen centuries show us than the documents produced with pure cellulose fibres and protected against acidification (neutral or alkaline sizing) can be kept for very long periods of time.

The ISO 9706 standard contains the following criteria's :

Characteristic	Objective
KAPPA Index	: No mechanical pulp for chemical stability
Tear resistance	: Handling resistance
PH of cold water extract	: non acid sizing of paper
Alkaline reserve	: Protection against acid attack

This standard should then allow very stable paper properties during several centuries.

<u>Standard requirement</u>	<u>[REDACTED] value</u>
1 PH of cold water extract between 7.5 and 10	8.5
2 Kappa index below 5, no mechanical pulp	Pure Chemical bleached pulp
3 Tear resistance above 350 mN	around 700mN
4 Alkaline reserve above 20 g CaCO3 / kg of paper	around 180g de CaCO3 / kg

All [REDACTED] papers, White and Colours, fully satisfy the permanence requirements of the ISO 9706 and can then guarantee a very good preservation of their properties during time, when stored in the appropriate environment.

