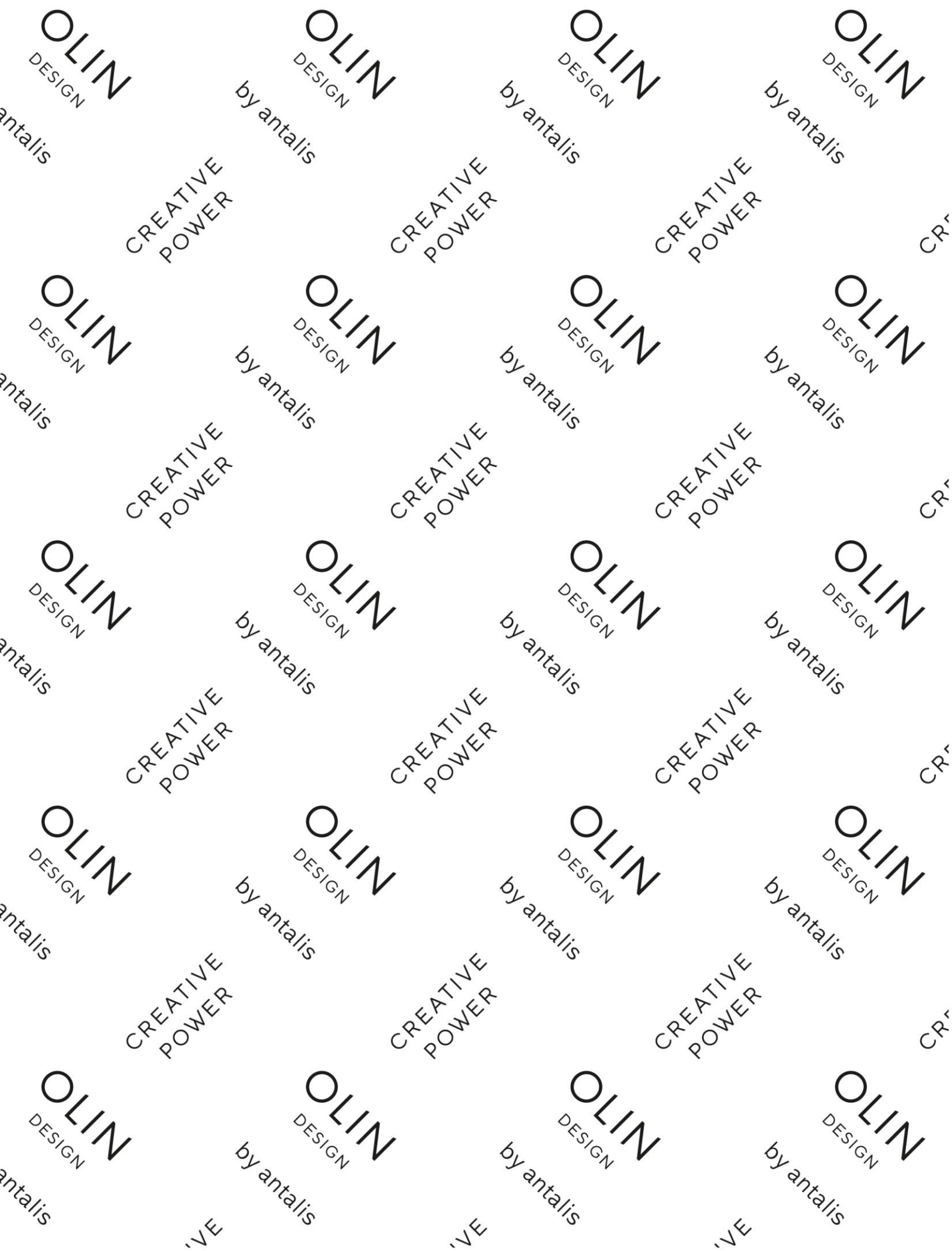




November 2024

OLIN Design Recycled is a comprehensive range of premium uncoated papers and boards that offers perfect colour reproduction with a range of coordinated envelopes. Made from 100% post-consumer waste, the range benefits from the highest environmental certifications.

OLIN Design Recycled is perfect for corporate communication, annual reports, business cards, letterheads, order forms, programmes, invitations, leaflets, pharmaceutical instructions, folders, 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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Property & Unit	Standard							
GSM	ISO 536	90	120	200	250	300	350	400
Thickness (µm)	ISO 534	114	150	244	305	357	417	476
Bulk (cm3 /g)	ISO 534	1.27	1.25	1.22	1.22	1.19	1.19	1.19
Roughness (ml/min)	ISO 8791-2	250						
Absolute Humidity (%H2o)	ISO 20287	5	5.5	6	6	6.5	6.5	6.5
Relative Humidity (% in aire)	Sword measuring	38	44	48	48	50	50	50
Opacity (%)	ISO 2471	95	98	>99	>99	>99	>99	>99
Whiteness CIE	ISO 11475	135						

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



CERTIFICATE

Antalis International SAS
92100 Boulogne-Billancourt, France

is granted the right, on the basis of the contract on the use of the environmental label no. 41948 based on DE-UZ 14a Edition 2020, for the product

**OLIN DESIGN RECYCLED Paper for printing, 100%
recycled non coated paper in rolls and sheets**

to use the Blue Angel Ecolabel shown below as a sign of special environmental friendliness.



Bonn, 04 September 2024

R. Wollmann

Managing Director
RAL gGmbH



Bundesministerium
für Umwelt, Naturschutz, nukleare Sicherheit
und Verbraucherschutz



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.



November 2024



Papier graphique
Graphic paper

Certificat

Certificate

Maintien du 29/07/2024
Maintenance from 29/07/2024

AFNOR Certification certifie que les produits cités dans les annexes suivantes
AFNOR Certification certifies that the products listed on the following appendices

De l'entreprise :
Of the company:

Située à :
Located at:

Numéro d'enregistrement :
Registration number:

sont conformes aux exigences de la décision de la commission
Décision (UE) 2019/70 du 11 janvier 2019

meet the requirements of the decision of the commission Décision (UE) 2019/70 du 11 janvier 2019

Ecolabel Européen - Papier graphique

European Ecolabel - Graphic paper

Les caractéristiques certifiées sont :

Faibles émissions dans l'air et dans l'eau au cours de la production,
Faible consommation d'énergie au cours de la production,
Utilisation de fibres issues de sources durables et/ou de fibres recyclées.

The certified characteristics are:

Low emissions to air and water during production,
Low energy use during production,
Use of sustainably sourced fibres or recycled fibers.

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Liste détaillée des licences attribuées par AFNOR Certification
Detailed list of licenses granted by AFNOR Certification
 pour l'Ecolabel Européen "Papier graphique"
for the EU Ecolabel "Graphic paper"

Du site de fabrication :
To the production site



Pour la marque commerciale :
For the trademark

OLIN DESIGN

Numéro de licence :
License number



Référence commerciale du produit :
Product Name

OLIN DESIGN RECYCLED

Ce certificat est valide jusqu'au
This certificate is valid until

31/12/2024

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Julien NIZRI
Directeur Général d'AFNOR Certification
Managing Director of AFNOR Certification



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