

Solaris®**New**

The Famous Solaris. **Now even better.**

KOTKAMILLS



Have we met before? I'm quite sure we have.

Solaris is a coated mechanical printing paper with a matt finish. It has been manufactured for 25 years. All around the world, well-known fashion, food, airline and financial magazines as well as catalogues and textbooks are printed on Solaris.

It's all about the bulk

Solaris is a high-bulk paper, which means significantly more printing surface per tonne. However, its lightness helps customers save considerably on mailing and transportation.

High-bulk paper is lightweight but feels thick. It makes magazines feel more substantial and gives them extra character, which attracts consumers and enhances the reading experience. Moreover, magazines printed on high-bulk paper are ideal for putting on display on stands.

You can sense the difference

Solaris makes your product stand out from the crowd. Various combinations of basis weights and bulks allow you to create a special look and feel for your publication. Stiffness, excellent surface properties and high opacity make Solaris a superior choice.

Its matt finish ensures good readability and high gloss in images. By eliminating reflections, Solaris makes for a pleasant reading experience.

Now even better

Up until now, Solaris has been available in two shades: Solaris and the bluish-white Solaris Brite. We have combined these two products into **Solaris New**, providing a more natural and pure shade of white.

Solaris New offers even better text and image reproduction, combined with excellent printability and runnability. Our streamlined production process ensures consistent quality and even shorter delivery times.

Solaris New 1.2

85%	D65-Brightness (D65/10°)
24%	Gloss Hunter ISO 8254-1
2.1 µm	Smoothness PPS 1MPa, ISO 8791-4
1.2 cm³/g	Bulk ISO 534

Grammage ISO 536	48 g/m²	51 g/m²	54 g/m²	57 g/m²	60 g/m²	65 g/m²	70 g/m²	75 g/m²
Opacity ISO 2471	90%	90%	91%	92%	93%	94%	94.5%	95%
Thickness ISO 534	58 µm	61 µm	65 µm	69 µm	72 µm	78 µm	84 µm	90 µm

Solaris New 1.35

85%	D65-Brightness (D65/10°)
18%	Gloss Hunter ISO 8254-1
2.9 µm	Smoothness PPS 1MPa, ISO 8791-4
1.35 cm³/g	Bulk ISO 534

Grammage ISO 536	48 g/m²	51 g/m²	54 g/m²	57 g/m²	60 g/m²	65 g/m²	70 g/m²	75 g/m²
Opacity ISO 2471	90%	90%	91%	92%	93%	94%	94.5%	95%
Thickness ISO 534	65 µm	69 µm	73 µm	77 µm	81 µm	88 µm	94 µm	101 µm

Solaris New 1.55

85%	D65-Brightness (D65/10°)
10%	Gloss Hunter ISO 8254-1
4.5 µm	Smoothness PPS 1MPa, ISO 8791-4
1.55 cm³/g	Bulk ISO 534

Grammage ISO 536	48 g/m²	51 g/m²	54 g/m²	57 g/m²	60 g/m²	65 g/m²	70 g/m²	75 g/m²
Opacity ISO 2471	90%	90%	91%	92%	93%	94%	94.5%	95%
Thickness ISO 534	74 µm	79 µm	84 µm	88 µm	93 µm	101 µm	108 µm	116 µm

Product description

Coated mechanical printing paper

Made from mechanical pulp from spruce chips and chemical pulp

The wood-based raw materials are sawmill by-products

End Uses

Magazines, catalogues, brochures, direct mail, books

Printing methods

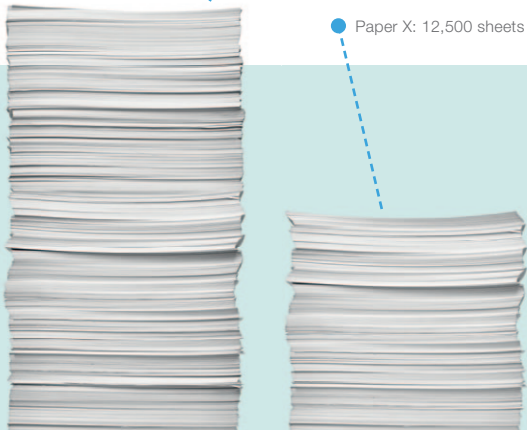
Heatset web offset
Sheetfed offset
Digital printing

Certificates for excellent quality and high level of performance

ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007, PEFC ST 2002:2010, PEFC ST 2001:2008, FSC COC and EU Ecolabel

Solaris: 18,518 sheets per tonne

Paper X: 12,500 sheets per tonne



An economical choice

A tonne of regular LWC paper – with a basis weight of 80 g/m² and a bulk of 0.8 – produces 12,500 sheets of 1 m² (1,000,000 g / 80 g = 12,500 sheets). Solaris – with a basis weight of 54 g/m² and a bulk of 1.2 – is considerably thicker than the LWC paper and produces 18,518 sheets. That's 6,018 sheets more per tonne. In other words, Solaris wins by 48%.

Basis Weight Impact on % Paper Yield

g/m ²	48	51	54	57	60	65	70	75
48	0%	6%	13%	19%	25%	35%	46%	56%
51	-6%	0%	6%	12%	18%	27%	37%	47%
54	-11%	-6%	0%	6%	11%	20%	30%	39%
57	-16%	-11%	-5%	0%	5%	14%	23%	32%
60	-20%	-15%	-10%	-5%	0%	8%	17%	25%
65	-26%	-22%	-17%	-12%	-8%	0%	8%	15%
70	-31%	-27%	-23%	-19%	-14%	-7%	0%	7%
75	-36%	-32%	-28%	-24%	-20%	-13%	-7%	0%

We make it personal.

We are here for you, and we are near you. Together with our sales agents, we offer an individual service customised to your specific needs.

We are always happy to answer any questions you may have.

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Sales network

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Kotkamills is a Finnish forest industry company. Its high-quality products and services are built on strong expertise. Kotkamills is an agile and flexible operator that focuses on customer satisfaction, uncompromised quality and joint success.