

## Uvijet inks

# Safety certification for our high-performance UV inks

Fujifilm's Uvijet inks meet some of the most stringent product emissions standards in the world, making them an exceptionally safe, high-quality UV ink suitable for a vast array of industries and uses.

### Key features

- ▶ Fujifilm inks are GREENGUARD GOLD Certified by UL for low chemical emissions
- ▶ Achieved GREENGUARD GOLD standard: UL 2818 – Standard for Chemical Emissions for Building Materials, Finishes and Furnishings
- ▶ Compliant with international wall covering industry standards
- ▶ AgBB certification
- ▶ Nordic Swan Ecolabel
- ▶ Fujifilm Uvijet LM low migration inks meet stringent industry guidelines and regulations

**Uvijet**





# GREENGUARD

Rigorous, widely recognised accreditation

**Fujifilm's commitment to environmental responsibility has been recognised through achieving UL GREENGUARD GOLD certification for its Uvijet UV range of inks. GREENGUARD helps manufacturers create, and customers choose, interior products that support healthy indoor environments through low chemical emissions.**

Certification means that a product has been rigorously tested and shown to have low emissions of volatile organic compounds (VOCs). To maintain its accreditation by GREENGUARD, a product must be monitored regularly, with on-going routine testing.

### Why is this important?

People spend around 90 per cent of their time indoors. Here, air pollution levels can be two to five times higher than outdoors. With VOCs being the main contributor to indoor air pollution, it's critical that all industries look at ways to limit the amount of VOCs in their indoor environments.

### Our Uvijet inks meet the highest standards for safety and quality

At Fujifilm, we're committed to supporting a healthy and safe environment. Which is why we've formulated our Uvijet UV inks so they not only deliver outstanding image quality and durability, but also have a minimal environmental impact – and meet the exacting demands of GREENGUARD GOLD accreditation.

### High-quality UV inks

Our Uvijet UV inks have been developed to deliver excellent performance across an extensive range of applications – from thermoforming, where flexibility is crucial, to outdoor wide format. The best-quality pigments are used to create high-density inks that are durable and impressively vibrant whilst also being 100% solvent free.

The Uvijet inks have a wide colour gamut and adhere to a large range of rigid and flexible materials, and with the GREENGUARD GOLD accreditation these inks are certified as safe for applications, including wall coverings in environments where solvents are not acceptable.

### Fujifilm Uvijet UV inks accredited with GREENGUARD GOLD

Our inks that meet the exacting demands of GREENGUARD GOLD certification, and the printers they have been developed for use with.

<b>Acuity flatbed</b>	Uvijet EY, KA, KI, KL, KN, KO, KV, WH, WI, WF
<b>Acuity LED 3200</b>	Uvijet LF
<b>Acuity LED 1600</b>	Uvijet LL and RL
<b>Acuity B1</b>	Uvijet KH and KX
<b>Acuity Ultra</b>	Uvijet GS
<b>Onset X</b>	Uvijet LM, OB, OL, OW, OX, OZ
<b>Uvistar</b>	Uvijet QN
<b>Graphium</b>	Uvijet RA



# Additional certification

## Meeting global industry standards

### AgBB certification

Building products may be a major source of indoor air pollution by volatile organic compounds (VOC). To establish the fundamentals for a uniform and reproducible health assessment of building products in Germany, the Committee for Health-related Evaluation of Building Products (Ausschuss zur gesundheitlichen Bewertung von Bauprodukten – AgBB) has developed criteria for testing, and an evaluation scheme for VOC emissions from building products suitable for indoor use implemented by Eurofins - a major global product testing company. The evaluation scheme sets quality standards relevant to health, for the production of building products to be used indoors, and fosters the development of particularly low-emission products.

Fujifilm's Uvijet LL, RL, LF and GS inks have been approved by Eurofins to AgBB standards for use on wallcoverings.

### Nordic Swan Ecolabel

A number of Fujifilm inks are approved for Nordic Swan Ecolabelled printers. The Nordic Ecolabel is a well-established and internationally recognised environmental labelling scheme that contributes to sustainable consumption and helps consumers identify environmentally friendly products.

### Low migration inks for indirect food contact

Uvijet LM has been developed to decorate sheet-fed corrugated and display boards for applications where the printed item is intended to be used for indirect food contact. Uvijet LM has been formulated to:

- ▶ DIN 1230-1:10-02 which is the sensory analysis of paper and board intended to come into contact with food stuffs.
- ▶ Article 3 of EC Regulation 1935/2004 – legislation applicable to printing inks for paper and board. Must not prevent the final package from meeting the requirements of the Regulation – relating to safety, taste and odour.
- ▶ EC Regulation on GMP 2003/2006 – good manufacturing practice for materials and articles intended to come into contact with food (specifically references printing inks).
- ▶ EuPIA Guidelines – comprehensive guidance on good manufacturing practice, use of low migration materials and prevention of migration.
- ▶ Swiss Ordinance SR 817.023.21.
- ▶ Nestle Guidance Note on packaging Inks 08-2016.





## Indoor Air Comfort GOLD

Similar to GREENGUARD GOLD, Eurofins' focus is to prevent the risk of inhaling emissions:

- ▶ Uvijet LL and RL inks are in compliance with Eurofins 'Indoor Air Comfort Gold' requirements.
- ▶ The inks conformed to the standard EN 12956:1999-04 + A1: 2002-04, testing the following four criteria: spongeability, washability, extra-washability and scrubbability.
- ▶ The tests were performed on all the different patterns of the wallpaper, printed using Uvijet LL and RL inks, finding no degradation and colour modification compared to the initial aspect of the sample.

## Colour Fastness

Eurofins also tested the Uvijet LL and RL print samples for colour fastness to artificial light - Xenon arc fading light:

- ▶ Test ISO 105-B02:2014 and interpreted to EN 235:2002 (Blue Scale Rating).
- ▶ On the Colour Fastness index, the inks were rated the highest possible at Blue Wool 8 – Excellent.
- ▶ Fujifilm's interpretation of these results for print is:

Uvijet LL and RL inks	Indoors, not in direct sunlight	Indoors, close to a window	Outdoor, no lamination
Wallcovering	Up to 50 years	2 years	Not suitable
Self adhesive PVC	Up to 100 years	Up to 5 years	1 year
PVC banner	Up to 100 years	Up to 5 years	1 year

### For further information:

Please contact your local Fujifilm partner.

**web** [www.fujifilm.eu/print](http://www.fujifilm.eu/print) **YouTube** Fujifilm Print **Twitter** @FujifilmPrint

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