



UV
Printable

Fact Sheet:

UV Printing: Ink Facts

For accurate color matching and consistency across multiple runs, Trelleborg Engineered Coated Fabrics works with the very best ink technology to ensure your printed support surface cover looks great and performs well.

Key benefits

REVOLUTIONARY PRINT PROCESS

- Innovative, no-odor ink that does not crack when stretched
- Withstands harsh chemical cleaning¹
- No impact on FR performance
- Biocompatibility tested
- Unlimited color options – 5 color print process

NO NEED FOR SCREEN PRINTING

- Abrasion resistant ink
- Washable
- Significantly more breathable than screen printing²
- Low coefficient of friction (CoF).

COSTS

Make significant cost savings as the fabric roll manufacture and printing take place at same location.

UV ink information

COLOR GAMUT

- Trelleborg ink pigments, in conjunction with unique additives, increase output gamut and glossiness
- Recreation of life-like colors possible through managing the color balance to exacting tolerances

DURABILITY

- Withstands harsh chemical cleaning – white ink lifetime when exposed to continuous bleaching comparable to lifetime of non-printed Dartex® Endurance²
- Class-leading color fastness with UV inks
- Excellent ink adhesion – Abrasion resistant; stays in place unlike screen printing

ENVIRONMENTAL

- Contains up to 50% naturally derived monomers and oligomers derived from renewable sources such as plants or biomass
- Contains virtually no volatile organic compounds (VOC)
- Do not contain heavy metals such as antimony, arsenic, cadmium, chromium (VI), lead, mercury, and selenium

- Do not contain greenhouse gases as defined by the European Commission and USEPA
- REACH & RoHS compliant
- Are not considered a hazardous waste under the US waste regulations (RCRA), Waste (England and Wales) Regulations 2011 and European REACH guidelines

ODOR

- Inks are formulated from raw materials that produce little to no odor when fully cured

PRINTER PERFORMANCE AND DRYING TIME

- Specially formulated ink for use in Trelleborg inkjet printers
- Trelleborg inks are optimized for fast drying times while ensuring the fluency of the ink system
- Advanced ink filtration system allows for minimum maintenance and minimal print head clogging; printer and inks are matched for peak performance and reliability

SUBSTRATE COMPATIBILITY

- Compatible with flexible and rigid materials, including coated textiles. Full list of materials available on request.

Contact our technical sales team for specifications and more information:

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 📧 TrelleborgHM 📱 trelleborg-healthcare-&-medical

References:

¹ White ink lifetime when exposed to seven days' continuous exposure to 10,000ppm bleach comparable to lifetime of non-printed Dartex® Endurance coating.
² Laboratory tests show no change to breathability when used on Dartex® Endurance coating, compared to zero levels of breathability when screen printing is used on any coating. Tested to internal specifications.

Bio-compatibility
 ISO10993-5 Cytotoxicity < Grade 1 (completed)
 ISO10993-10 Skin Irritation / classed as non-irritant; non-sensitiser

Breathable
 Significantly more breathable than screen printing across all Trelleborg coated fabrics, including Dartex® healthcare range

High abrasion resistance
 Martindale abrasion resistance (12kPa) pass up to 30,000 cycles

High Stretch
 No cracking when stretched
 No print distortion when stretched and relaxed to original position

Machine washable
 Machine washable at 95° c
 Can be tumble dried
 No delamination

Waterproof
 For infection control

Wipe clean
 For infection control

NON SOLVENT LED UV INKS ARE AVAILABLE IN THE FOLLOWING COLORS:

IN005 CYAN UV INK	
IN006 YELLOW UV INK	
IN007 MAGENTA UV INK	
IN008 BLACK UV INK	
IN009 WHITE UV INK	

GIVING UNLIMITED COLOR OPTIONS:



PVC FREE