



Genuine Inks

EFI Transform-TF Thermoforming Inks

Transform your business with digital LED thermo-formable inks

EFI™ Transform-TF inks are next-generation, LED-curable digital inks formulated for first- and second-surface interior and exterior and non-backlit and backlit applications where common thermoforming is specified. Transform-TF inks exhibit outstanding elongation characteristics while maintaining excellent adhesion and opacity for thermoforming applications and provide ideal characteristics for heat bending and routing of acrylic sheets with no chipping or loss of adhesion. And since Transform-TF inks adhere to a broad range of materials, applications go well beyond thermoforming.



Optimised for the following EFI printers

- VUTEk® 32h hybrid roll/flatbed
- VUTEk h3 hybrid roll/flatbed
- VUTEk h5 hybrid roll/flatbed
- EFI Pro 30f flatbed

Typical applications

- Outdoor signage
- POP signage and displays
- Promotional products and beverage lights and signs
- Vending and gaming
- Automotive
- Industrial
- Flat, non-formed applications

Recommended substrates

- ABS
- ACM, Dibond and coil coated aluminum
- Acrylic (PMMA)
- HDPE (corona treatment may be required)
- PETG

- Polycarbonate (primer may be required for high-impact applications)
- Polystyrene
- PVC

Performance properties

- Excellent elongation for extreme deep-draw applications
- Superb resistance to moisture and water
- Flexible for multilayer applications and die-cutting
- Elevated colour strength for backlit applications
- Extreme elongation suitable for thermoforming on most thermoplastics for dimensional printing needs
- Direct contact with smooth mold materials only (aluminium and Teflon-coated molds)
- Malleable when exposed to heat during thermoforming and then hardens after the cooling process is complete
- Great for deep-draw, high-elongation applications in commercial graphics (POP, display graphics, and backlit signage), consumer and industrial segments
- Excellent adhesion properties on difficult media types, such as HDPE, acrylic, ABS, ACM, and coil coated metals

Advancements made to EFI thermoforming inks

- Greatly improved non-block and mar-resistant properties
- LED curable, reducing heat accumulation during the print and curing process, which normally can adversely affect unstable materials
- Significant reduction of odour and outgassing during the thermoforming process
- Industry's first variable gloss, semi-gloss, and matte finish capabilities.
- Improved colour gamut, saturation, and brightness
- Longer shelf life – approximately 15 months from date of manufacture

Durability/Performance

EFI Transform-TF inks use automotive-grade pigment for best-in-class light fastness properties. Accelerated weather-fastness data has been obtained for the inks. The best data comes from real-life applications in the field where the true service life of the product has been measured and validated. While EFI Armor coatings can protect these inks for up to five years, these performance expectations also depend on appropriate media, file manipulation as it relates to colour selection and strength, and end-use geographic location. When these variables and parameters are taken into consideration, graphics printed and coated with the EFI Armor coatings can withstand up to five years or more of exposure.

Storage

Care should be taken to store ink in tightly closed containers located in a cool 15-27 °C, dark place. With suitable conditions, unopened ink shelf life is 15 months from date of manufacture.

Let's be brilliant. Together.

We understand you want breakthrough technologies to lead you through your digital journey. That's why we're passionate about driving your business growth with a scalable portfolio of products, solutions, services, support, and world-class partnerships for the manufacturing of signage, packaging, textiles, ceramic tiles, building materials, commercial print, and personalised documents with a wide range of printers, inks, digital front ends, and workflow software. Our unwavering commitment is to increase your profits, cut costs, improve productivity, and optimise efficiency — job after job, year after year. We're obsessed with your success. And we definitely believe we have the right people, technology and experience to help your business achieve its goals. Visit www.efi.com for more information.



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