

UH71 UV LED ink



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UH71 is a new rigid-type LED-UV ink for the XpertJet 1462UF, developed to deliver durable, high-quality output on a broad range of rigid materials.

UH71 will subsequently also become available for the XpertJet 461UF and XpertJet 661UF, further expanding Mutoh's rigid-type LED-UV offering across its flatbed range.

The new ink is designed for applications including customised goods, novelty items, industrial parts, promotional products, retail displays and signage, and offers compatibility with substrates such as PET, PC, ABS, PS, PVC, PMMA and aluminium.

UH71 combines strong adhesion, high durability, chemical resistance, low odour and tack-free output, supporting reliable production of both decorative and functional print applications. The ink set also includes a highly transparent clear ink, enabling premium varnish effects as well as applications such as Braille and raised print.

A key part of the UH71 positioning is its formulation. The ink has been developed without the use of TPO(1), without substances classified as SVHCs(2), and without substances classified as CMR Category 1 (1A or 1B)(3), reflecting Mutoh's focus on product development that balances print performance with increased attention to workplace and environmental considerations. UH71 is also UL GREENGUARD Gold certified.

Product Highlights

- Product name : UH71
- Ink type : UV-LED rigid type ink
- Configuration : 6 colours : cyan, Magenta, Yellow, Black, White, Clear
- Capacity : 800 ml bag - 220 ml cassettes
- Safety : TPO-free, SVHC-free, UL GREENGUARD Gold certified
- Supported models : XpertJet 1462UF, Coming soon XPJ-461UF / XPJ-661UF

(1) TPO is a compound commonly added as a photo-initiator to cure UV inks. Refers to TPO (diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide).

(2) SVHCs (Substances of Very High Concern) under the European REACH regulation are chemical substances identified as candidates for authorization due to their potential to have serious effects on human health or the environment.

(3) CMR refers to substances that are carcinogenic, mutagenic, or reprotoxic. Category 1 includes substances known or presumed to have such toxic effects on humans.

(4) UL GREENGUARD is a certification system by UL aimed at reducing indoor air pollution and exposure to chemical substances. It indicates that the tested product meets the rigorous chemical emission standards and releases low levels of chemicals into indoor environments.