

TIGITAL® Melamine-Primer

Series 145/0

Properties

Serie 145/00002

Viscosity	25 °C 50 °C	24 – 28 mPas 9 – 11 mPas
UV dose in the case of hardening with a UV-LED lamp 395 nm		750 mJ/cm ²

Serie 145/00003

Viscosity	25 °C 50 °C	24 – 28 mPas 9 – 11 mPas
Surface tension	25 °C	22 – 26 dyn/cm
UV dose in the case of hardening with a UV-LED lamp 395 nm		800 – 1200 mJ/cm ²

Versions

- Series 145/00002 - UV-hardening
- Series 145/00003 - UV-LED-hardening

Shelf life

9 months for storage between 15 and 35°C.

Package sizes

- 1 l PE bottles (black)
- 5 l PE containers (black)
- Other package sizes are available on request.

Recommended cleaning and flushing fluid

TIGER Flush 151/00001

Applications

The TIGER Melamine-Primer is a UV-LED thermosetting inkjet ink on acrylate base which achieves excellent adhesion properties on varying rigid substrates, such as melamine resin, glass or on various metal surfaces.

After hardening the printed primer layer can be overprinted with pigmented inkjet ink, such as e.g. series 135 - UV Universal Ink (with an excellent adhesion of the interim layer).

Printing conditions

The inks can be processed at up to 55 °C. The necessary UV dose is oriented according to the printed coating thickness, whereby the previously specified 800 – 1200 mJ/cm² of the radiation dose correspond to the typical radiation dose of a UV-LED lamp of with a ink coating thickness of 10 – 15 µm (e.g. for printing components).

Compatibility of materials

Compatible materials:

- PP
- PE (HD + LD)
- Stainless steel
- PTFE
- EPDM rubber

Incompatible materials:

- PVC
- Butyl rubber
- Brass
- Viton®
- Nitrile plastics
- Polyurethane rubber
- Neoprene

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EN ISO 9001 / 14001



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