



Drop on demand Digital Metallic Inks

A member of  ALTANA

 **ECKART**
Effect Pigments

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Achieve additional value for your digital prints with JETFLUID Metallic Inkjet inks from ECKART:

- Create a real eye catcher without using any metallized substrate
- Explore a whole new universe of metallic colors in combination with CMYK
- Show extraordinary effects by replacing the white primer on dark materials
- Gain brilliant results on non-coated standard substrates like vinyl
- Set new accents on different substrates and in many applications
- Print at your production speed, no need to slow down your machine and no special print head necessary

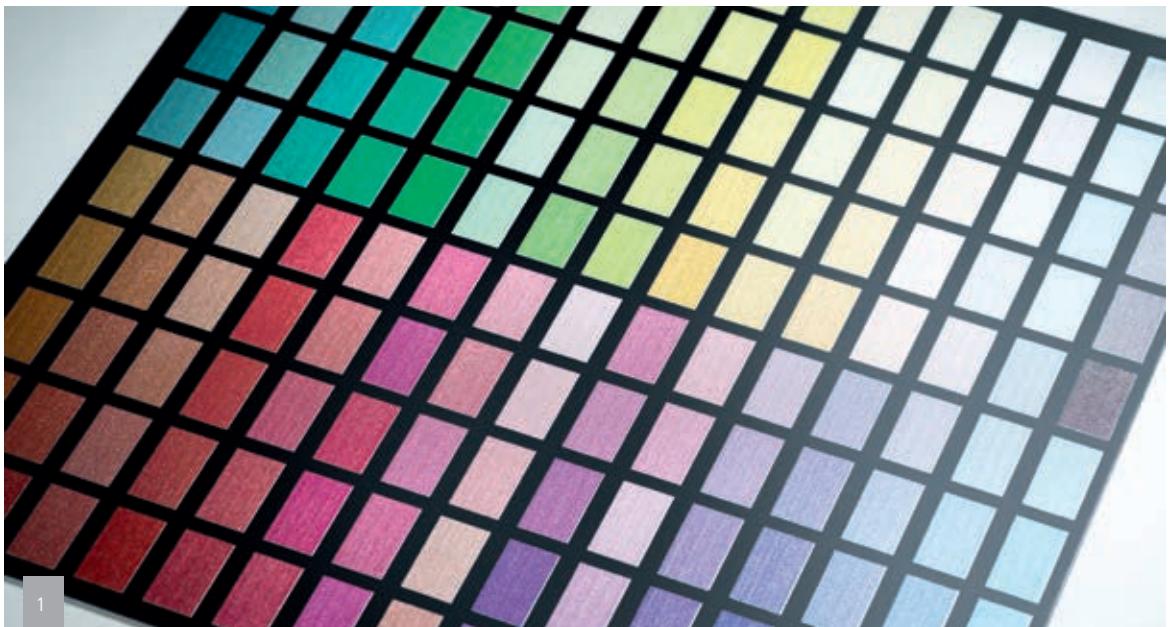
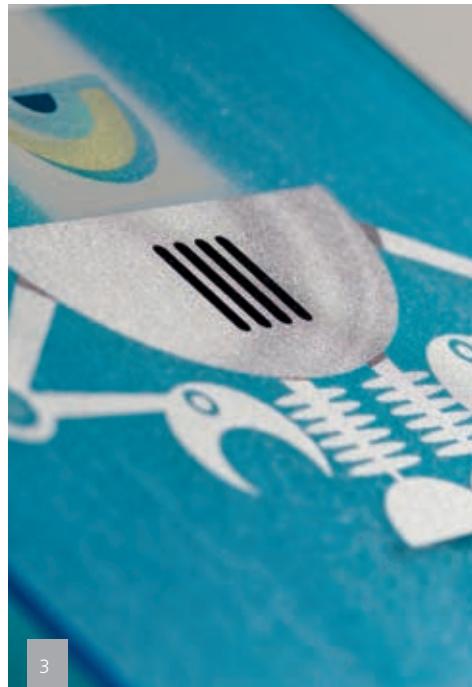


Fig. 1:
JETFLUID UV 31019
on polystyrene

Fig. 2:
JETFLUID UV 31019
on wood

Fig. 3:
JETFLUID UV 31019
on glass

Fig. 4:
JETFLUID SB 11015
on PVC



Digital Metallic Inks and Products Overview

JETFLUID products can be easily used in most of the common piezo technologies:

Digital Silver Inks, Concentrates and Master Batches

Solvent-based Inkjet inks JETFLUID	Chemistry	Printhead	D50	D90	Viscosity at 25°C [mPas]	Surface Tension [mN/m]	Shelf Life	Description
SB 11015	Solvent	Epson DX4 / DX5	1.5	2.0	4.8	26.0	12 months	Standard silver Inkjet ink
SB 11020	Solvent	Epson DX6 / DX7	1.5	2.0	3.4	26.5	12 months	Standard silver Inkjet ink
SB 11021	Solvent	Ricoh, XAAR, Dimatix and others*	2.0	4.0	13.8	25.0	12 months	Standard silver Inkjet ink
SB 11022	Solvent	EPSON DX5 / DX6 / DX7	1.5	2.0	3.0	27.0	3 months	Standard silver Inkjet ink for printing on glass substrate

UV curable Inkjet inks JETFLUID	Curing	Printhead	D50	D90	Viscosity at 25°C [mPas]	Surface Tension [mN/m]	Shelf Life	Description
UV 31018	UV	Ricoh, XAAR, Dimatix and others*	2.5	5.0	12.5	34.5	12 months	UV curable silver Inkjet ink
UV 31019	LED	Ricoh, XAAR, Dimatix and others*	2.5	5.0	14.6	35.5	12 months	LED curable silver Inkjet ink (395 nm peak)
UV 31022	LED	Epson DX5	1.5	2.0	6.5	28.0	12 months	LED curable silver Inkjet ink (395 nm peak)
UV 31023	LED	Konica Minolta and others*	1.5	2.0	14.6	35.5	12 months	LED curable silver Inkjet ink (395 nm peak)

Master Batches for Inkjet formulations JETFLUID	Type	D50	D90	Viscosity at 25°C [mPas]	Surface Tension [mN/m]	Shelf Life	Description
SB 11028	Solvent Master Batch	2.0	4.0	3.8	28.5	6 months	3% pigment concentrate, w/o surfactant or binder
SB 11031	Solvent Master Batch	1.5	2.0	12.8	30.5	3 months made to order	Master Batch of SB 11015 & SB 11020 with 5% pigment content
UV 31005	UV Master Batch	2.5	5.0	24.0	36.0	12 months	5% pigment concentrate, w/o photoinitiator – related to UV 31018 and UV 31019
UV 31024	UV Master Batch	1.5	2.0	112.0	40.8	12 months	9% pigment concentrate, based on monomer with increased stabilization
WB 20001	Aqueous Master Batch	-	-	-	-	12 months	Additive package for WB 21001
WB 21001	Aqueous Master Batch	2.0	5.0	n.a.	n.a.	12 months	25 % pigment concentrate, based on glycole

Inkjet Clear Coatings JETFLUID	Curing	Printhead	Viscosity at 25°C [mPas]	Surface Tension [mN/m]	Shelf Life	Description
UV 30001	UV	Ricoh, Konica Minolta XAAR, Dimatix and others*	13.5	36.0	12 months	UV curable Inkjet varnish
UV 30002	LED	Ricoh, Konica Minolta XAAR, Dimatix and others*	10.0	31.5	6 months	LED curable Inkjet varnish (395 nm peak)

Flushing Fluid JETFLUID	Type	Viscosity at 25°C [mPas]	Surface Tension [mN/m]	Shelf Life	Description
SB 11002	Solvent Flushing Fluid	1.7	28.5	24 months	Flushing fluid for solvent & UV inks of the JETFLUID series

If you use an internal filter unit, please ensure that its size is not less than 20 microns.

* „and others“ – As there are more compatible printheads in the market, please contact ECKART for further information.

Creating a metallic effect in the digital inkjet world requires one spot color channel at your digital printing machine. Please enquire for any needs or contact any of our distribution partners.



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