

Additive Guide

Additive Guide for UVivid Flexo JD

All JD inks are supplied press-ready, however the following additives are available if required for particular applications.

Problem	Additive	Recommendations	Comment	Maximum Addition
Poor adhesion due to poor cure	ZE824 initiator solution	Efficient cure aid for all colours	Can reduce intercoat adhesion and cause embrittlement when used in excess	3%
	ZE828 surface cure additive	Mainly for surface cure in all colours	Can reduce intercoat adhesion and cause embrittlement when used in excess	5%
	ZE833 through cure additive	For use only in darker colours	Can reduce intercoat adhesion and cause embrittlement when used in excess. Can cause yellowing of light colours	5%
Poor adhesion not due to cure	ZE818 thinner	For synthetic substrates	Can reduce cure if used in excess	5%
Viscosity too high	ZE813 fast thinner	Highly effective diluent	Can reduce cure and scratch resistance if used in excess	5%
	ZE818 thinner	Standard diluent	Can reduce cure if used in excess	5%
Poor scratch resistance	ZE850 UV hardener	Increases hardness, reduces viscosity and increases cure	Can reduce intercoat adhesion when used in excess	5%
Poor substrate wetting	ZE813 thinner	Will thin ink and reduce surface energy	Can reduce cure and scratch resistance if used in excess	5%
	ZEA12 trapping additive	Will reduce surface energy	Can affect overprintability and foil blocking	2%
	ZE711 silicone additive	Will reduce surface energy	Can affect overprintability and foil blocking	2%

Additive Guide for UVivid Screen RN and CN

All RN and CN inks are press-ready, however the following additives are available if required for particular applications.

Problem	Additive	Recommendations	Comment	Maximum Addition
Poor adhesion due to poor cure	ZE824 initiator solution	Efficient cure aid for all colours	Can reduce intercoat adhesion and cause embrittlement when used in excess	3%
	ZE828 surface cure additive	Mainly for surface cure in all colours	Can reduce intercoat adhesion and cause embrittlement when used in excess	5%
	ZE833 through cure additive	For use only in darker colours	Can reduce intercoat adhesion and cause embrittlement when used in excess	5%
Poor adhesion on difficult synthetics	ZE817 adhesion promoter	Improves adhesion on some synthetic substrates	Can reduce intercoat adhesion and cause embrittlement when used in excess	10%
Viscosity too high	ZE813 fast thinner	Highly effective diluent	Can reduce cure and scratch resistance if used in excess	5%
Poor flow	ZEA09 Silicone flow aid	Improves flow and reduces pin-holing	Can affect overprintability and foil blocking if used in excess	3%
	ZE813 thinner	Will thin ink and reduce surface energy	Can reduce cure and scratch resistance if used in excess	5%