STERASPEED + SPEEDMIX UV

Group: 11.1.2 Revision Date: 02/02/2024

artience

TOYO INK EUROPE

CHARACTERISTICS

The Steraspeed and Speedmix series is a soy-based ink for continuous offset printing for paper and board. It has an exceptional lithographic behaviour and is able to run at high printing speeds.

PROPERTIES

- Hot stampable*
- Lithographic properties
- Optimal UV curing
- Free of VOC's
- Qualifying for Soy Ink Seal

- Formulated based on renewable raw materials
- Formulated without ITX or benzophenone
- Optimal resistance properties will be obtained 24hours after printing

*See remarks for more information

SUITABLE SUBSTRATES

- All kinds of coated and uncoated paper
- Certain flexible substrates

Preliminary adhesion tests are recommended

APPLICATION AREA

- Letterpress
- Wet offset

COLOURS	ARTICLE CODE	IWS	SPIRIT	NITRO	ALKALI	HEAT RES '10
Speedmix- Process Colo	ours					
Yellow	EXC40011Y	5	+	+	+	180 °C
Magenta	EXC40012Y	5	+	+	-	170 °C
Cyan	EXC40013Y	8	+	+	+	220 °C
Black	EXC40014Y	8	+	+	+	220 °C
Steraspeed - Premium Ir	nks for High Speed P	resses				
Yellow	EXC40051Y	5	+	+	+	180 °C
Magenta	EXC40052Y	5	+	+	-	170 °C
Cyan	EXC40053Y	8	+	+	+	220 °C
Black	EXC40054Y	8	+	+	+	220 °C
Speedmix- Mixing Colou	<u>urs</u>					
Mixing white	EXC40900SY					200 °C
Opaque White	EXC40901SY					200 °C
Transparent White	EXC40902SY					200 °C
Transparent White	EXC47016Y					
Yellow	EXC40912SY	5	+	-	+	180 °C
Yellow fast 6	EXC40913SY	6	+	+	+	220 °C
Yellow fast 7	EXC40914SY	7	+	-	+	140 °C

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TECHNICAL DATA SHEET

Speedmix- Mixing Colours

opecaring this in a color	<u> </u>					
Orange	EXC40920SY	5	+	+	+	140 °C
Orange Fast	EXC40921SY	7	+	+	+	220 °C
Warm Red	EXC40930SY	3	+	+	-	180 °C
Warm Red Fast	EXC40931SY	7	+	+	+	220 °C
Red 032	EXC40932SY	5	+	-	+	140 °C
Rubine Red	EXC40940SY	5	+	+	-	170 °C
Rubine Red Fast 6	EXC40941SY	6	+	+	+	170 °C
Rubine Red Fast 7	EXC40942SY	7	+	+	+	200 °C
Rhodamine Fast 7	EXC40951SY	7	+	+	+	180 °C
Purple Fast*	EXC40953SY	7	+	+	+	220 °C
Violet Fast	EXC40961SY	7	+	+	+	220 °C
Reflex Blue	EXC40962SY	4	-	-	-	150 °C
Reflex Blue Fast*	EXC40963SY	7	+	+	+	220 °C
Blue 072*	EXC40965SY	7	+	+	+	220 °C
Cyan	EXC40970SY	8	+	+	+	220 °C
Green	EXC40980SY	8	+	+	+	220 °C
Black	EXC40990SY	8	+	+	+	220 °C

*these inks should not be used for mixings as they are already built out of other base inks

ADDITIVES		
Wash up solution	for automatic washing	EXC10810
·	labelling and reg. free	EXC10820
Anti-tack paste		EXC10001
Photo initiator	liquid	EXC10708
Thinner		EXC10705

REMARKS

This product series is hot stampable, but should be tested in advance because it is subject of foil compatibility and application conditions. Rollers: the following roller material is recommended: EPDM (Ethylene-Propylene-Diene-Monomers). EPDM rollers show excellent performance with UVinks. They are not suitable for conventional inks, since they will swell considerably in contact with aliphatic hydrocarbons, which are used in traditional offset inks. Certain Metallic UV-inks may cause swelling of EPDM rollers. Nitril rubber: nitril rubber rollers show minimal swelling with UV-inks and conventional inks. Solvents such as glycol and acetates do have a tendency to make this rubber swell. Nitril rubber is recommended when using two component metallic inks. Letterpress plates: the SPEEDMIX series can be used together with the majority of the marketed letterpress plate materials. The best results are achieved by using soft plates for solids and harder plates for line, text and process work **Cleaning**: it is not necessary to wash the press immediately after printing. The inks will not cure in the press and is therefore ready to use for the next day's printing. However, the ink may start to cure in the press if sunlight or UV-light from the bulbs / UVlamp is allowed to shine on the ink. Storage conditions: To ensure maximum stability, the product should be stored in closed containers at temperatures between 15 -20°C, away from direct heat and exposure to UV light. Storage in a dark room will be preferable. Stocks should be rotated (i.e. use oldest stock first). Following the above mentioned storage conditions the quality of these products is guaranteed when used within the BBD (Best Before Date) that is mentioned on the label of the involved lot.

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Products which are stored as per the above mentioned storage conditions can be usable for a longer time (in excess of the "best before date"). Any usage after the "best before date" is subject to your own testing. Using the product after the "Expiry Date" is not recommended. Please note that due to our internal processes the time span between the "date of manufacturing" and the "Best Before Date" may deviate but will never be lower than our minimum guaranteed shelf life which has not changed.

PRODUCT SAFETY

These inks are **NOT suitable for FOOD applications** unless a proper risk assessment proves that its use is safe (e.g. if the process rules out the possibility of set-off in the reel or stack AND if the design of the final printed article ensures reliable functional barrier properties to migration). For further information please contact our local sales team or <u>www.artience-toyoinkeurope.eu</u>

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