

STERAFLEX UV

Group: 11.2.1

Revision Date: 04/09/2024

CHARACTERISTICS

The Steraflex UV inks are specially developed for printing on flexo machines with amazing densities and excellent flow properties. These inks are characterized by their low odour and fast curing properties.

PROPERTIES


- Excellent printability
- High gloss with high colour strength
- Fast curing speed
- Low odour
- Shrink sleeves and wrap around labels*
- Suitable for flexible packaging
- In compliance with the EuPIA

*See remarks for extra info

SUITABLE SUBSTRATES

- All kinds of paper and board
- Inline corona treated PE
- Pre-treated plastic films
- Selected lacquered/primed aluminium foils and lids

Preliminary adhesion tests are recommended. Other substrates to be tested before use.

COLOR	ARTICLE CODE	IWS	SPIRIT	NITRO	ALKALI
<u>Process Colours</u> 					
Yellow	EXC55001Y	5	+	+	+
Magenta	EXC55002Y	5	+	+	-
Cyan	EXC55003Y	8	+	+	+
Black	EXC55004Y	8	+	+	+
Deep Black	EXC55005Y	7	+	+	+
<u>Higher Concentrated Process Colours</u>					
Yellow	EXC55011Y	5	+	+	+
Cyan	EXC55013Y	8	+	+	+
<u>Lightfast Process Colours</u>					
Yellow	EXC55021Y	6	+	+	+
Magenta	EXC55022Y	7	+	+	+
<u>Mixing Colours</u>					
Special Opaque White	EXC57725				
Mixing White	EXC55900Y				
Opaque White – surface printing	EXC55901Y				
Transparent White	EXC55902Y				
Opaque White – sleeves	EXC55903XY				
Yellow	EXC55912Y	5	+	+	+
Yellow Fast	EXC55913Y	6	+	+	+
Orange	EXC55920Y	5	+	+	+
Warm Red	EXC55930Y	3	+	+	-
Warm Red Fast	EXC55931Y	7	+	+	+

Mixing Colours

Red 032	EXC55932Y	5	+	-	+
Rubine Red	EXC55940Y	5	+	+	-
Rubine Red Fast	EXC55942Y	7	+	+	+
Rhodamine Red Fast	EXC55951Y	7	+	+	+
Purple Fast*	EXC55953Y	7	+	+	+
Voilet Fast	EXC55961Y	7	+	+	+
Reflex Blue	EXC55962Y	4	-	-	-
Reflex Blue Fast*	EXC55963Y	7	+	+	+
Blue 072 Fast*	EXC55965Y	7	+	+	+
Process Blue	EXC55970Y	8	+	+	+
Green	EXC55980Y	8	+	+	+
Black	EXC55990Y	8	+	+	+

ADDITIVES

Silicone Additive	0.5-1%	EXC10005*	
Curing Promotor	1-3%	EXC10109	<i>Exceeding the recommended addition level may increase the risk of premature polymerization and colour change.</i>
Anti-foam Additive	0.5-1%	EXC10058*	
Reducer Viscosity	up to 5%	EXC10705	
Reducer Colour Strength	no limit	EXC55902Y	

**Modified inks cannot be coated or overprinted*

REMARKS

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. 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. When laminated afterwards, take care to use the correct fast inks, and to do a preliminary adhesion test. Substrates may differ in their chemical structure or method of manufacture. A test for suitability must always be carried out before printing. Antistatic, Mould Release Agents and Slip Additives may have negative effects on adhesion and should be detected and removed prior to printing.

Remarks shrink sleeves & wrap around labels, Yellow EXC55912Y, Orange EXC55920Y and Warm Red Fast EXC55931Y can be used on shrink sleeves only after preliminary test. Process Magenta EXC55021Y and Rubine Red EXC55940Y should not be used on shrink sleeves, use Rubine Red fast EXC55942Y instead. Optimal resistance properties will be obtained 24 hours after printing.

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 www.artience-toyoinkeurope.eu

PACKAGING

1,5 KG (only EXC55901Y)

5 KG plastic pails

7 KG (only EXC57725 & EXC55903XY)

CONTACT INFO

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