

STERAFLEX LED

Group: 17.2.1

Revision Date: 04/09/2024

CHARACTERISTICS

The Steraflex LED 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
- Formulated without ITX and benzophenone
- 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	EXC55001XY	5	+	+	+
Magenta	EXC55002XY	5	+	+	-
Cyan	EXC55003XY	8	+	+	+
Black	EXC55004XY	8	+	+	+
<u>Lightfast Process Colours</u>					
Yellow	EXC55021XY	6	+	+	+
Magenta	EXC55022XY	7	+	+	+
<u>Mixing Colours</u>					
Opaque White – surface printing	EXC55901XY				
Transparent White	EXC55902XY				
Opaque White – sleeves	EXC55903XY				
Yellow	EXC55912XY	5	+	+	+
Yellow Fast 6	EXC55913XY	5	+	+	+
Orange	EXC55920XY	5	+	+	+
Warm Red	EXC55930XY	3	+	+	-
Warm Red Fast	EXC55931XY	7	+	+	+
Red 032	EXC55932XY	5	+	-	+
Rubine Red	EXC55940XY	5	+	+	-
Rubine Red Fast 7	EXC55942XY	7	+	+	+
Rhodamine Red Fast	EXC55951XY	7	+	+	+

Mixing Colours

Purple Fast*	EXC55953XY	7	+	+	+
Voilet Fast	EXC55961XY	7	+	+	+
Reflex Blue	EXC55962XY	4	-	-	-
Reflex Blue Fast*	EXC55963XY	7	+	+	+
Blue 072 Fast*	EXC55965XY	7	+	+	+
Process Blue	EXC55970XY	8	+	+	+
Green	EXC55980XY	8	+	+	+
Black	EXC55990XY	8	+	+	+

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

ADDITIVES

Silicone Additive	0.5-1%	EXC10005	<i>Modified inks cannot be coated or overprinted</i>
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	<i>Modified inks cannot be coated or overprinted</i>
Reducer Viscosity	up to 5%	EXC10705	
Reducer Colour Strength	no limit	EXC55902Y	

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. 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

5 KG plastic pails

CONTACT INFO

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