

STERAFLEX UV (L.M.)

Group: 11.2.2

Revision Date: 29/02/2024

CHARACTERISTICS

The Steraflex L.M. 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 low migration properties.

PROPERTIES

- Low odour and low migration properties
- Excellent printability
- Good gloss with high colour strength
- Fast curing speed
- Shrink sleeves and wrap around labels*
- Suitable for flexible packaging
- In compliance with the EuPIA policy and Swiss Ordinance.

*See remarks for extra info

SUITABLE SUBSTRATES

- All kinds of paper and board
- Inline corona treated PE
- 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	EXC54011MY	5	+	+	+
Magenta	EXC54012MY	5	+	+	-
Cyan	EXC54013MY	8	+	+	+
Black	EXC54014MY	8	+	+	+
Deep Black	EXC54015MY	7	+	+	+
<u>Lightfast Process Colours</u>					
Yellow	EXC54021MY	6	+	+	+
Magenta	EXC54022MY	7	+	+	+
<u>Mixing Colours</u>					
Opaque White – surface printing	EXC54901MY				
Transparent White	EXC54902MY				
Opaque White – sleeves	EXC54903MY				
Yellow	EXC54912MY	5	+	+	+
Yellow Fast	EXC54913MY	6	+	+	+
Orange	EXC54920MY	5	+	+	+
Orange Fast	EXC50921M	7	+	+	+
Warm Red Fast	EXC54931MY	7	+	+	+
Red 032	EXC54932MY	5	+	-	+
Rubine Red	EXC54940MY	5	+	+	-
Rubine Red Fast	EXC54942MY	7	+	+	+
Rhodamine Red Fast	EXC54951MY	7	+	+	+
Voilet Fast	EXC54961MY	7	+	+	+
Reflex Blue Fast*	EXC54963MY	7	+	+	+
Blue 072 Fast*	EXC54965MY	7	+	+	+

Mixing Colours

Cyan	EXC54970MY	8	+	+	+
Green	EXC54980MY	8	+	+	+
Black	EXC54990MY	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>Exceeding the recommended addition level may increase the risk of premature polymerization and colour change.</i>
Curing Promotor	1-3%	EXC10108	
Anti-foam Additive	0.5-1%	EXC10058*	
Reducer Viscosity	up to 5%	EXC10102	
Reducer Colour Strength	no limit	EXC54902MY	

** 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.

Yellow EXC54912MY, Orange EXC54920MY and Warm Red Fast EXC54931MY can be used on shrink sleeves only after preliminary test. Process Magenta EXC54021MY and Rubine Red EXC54940MY should not be used on shrink sleeves, use Rubine Red fast EXC54942MY instead.

PRODUCT SAFETY

These inks are only suitable for use on **the non-food contact side of food packaging**, provided they are applied using the relevant Good Manufacturing Practices (GMP) and according to the guidelines in this Technical Data Sheet. The printer, converter and packer/filler each have a responsibility to ensure that the finished – printed – product is fit for the intended purpose(s) and that the ink and coating components do not migrate into the food at levels that exceed legal, regulatory and industry defined requirements. Please refer to Toyo Ink Europe's "Statement of Composition" for further regulatory information. In case of specific applications, please contact your technical application service.

PACKAGING

5 KG plastic pails

CONTACT INFO

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