

STERAPLAST GIO UV

CHARACTERISTICS

The Steraplast GIO series shows very good adhesion on all possible closed substrates with low odour and low migration properties.

PROPERTIES

- Low odour and migration properties
- Excellent ink/ water balance
- Great gloss and high colour strength
- Good adhesion
- Great flexibility
- Great post-curing rate
- Excellent film lamination properties

Optimal resistance properties will be obtained 24hours after printing

SUSTAINABILITY

- In compliance with the EuPIA exclusion policy and the latest update of ECHA's SVHC list
- Produced according to GMP
- In compliance with the Swiss ordinance and German ink ordinance
- Formulated without ITX, benzophenone and PI379

SUITABLE SUBSTRATES

- High gloss paper and board
- Hard and soft vinyl (corona treated)
- Coated metals
- Pre-treated plastic films (polyester, acetate)
- Pre -treated PP films (e.g. for IML)

Preliminary adhesion tests are recommended. A test for suitability must always be carried out before printing.

APPLICATION METHODS

- Letterpress
- Wet offset

PACKAGING

- 3 KG cans
- 4 KG cans for opaque white

FOOD 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.

COLOUR	ARTICLE CODE	IWS	SPIRIT	NITRO	ALKALI	HEAT RES.
<u>Process Colours</u> 						
Yellow	EXC24001MF	5	+	+	+	180°C
Magenta	EXC24002MF	5	+	+	-	170°C
Cyan	EXC24003MF	8	+	+	+	220°C
Black	EXC24004MF	8	+	+	+	220°C
<u>Mixing Colours</u>						
Mixing white	EXC24900MF					
Opaque white	EXC24901MF					
Opaque white	EXC28008MF					
Transparent white	EXC24902MF					
Yellow	EXC24912MF	5	+	+	+	180 °C
Yellow fast 6	EXC24913MF	6	+	+	+	220 °C
Yellow IWS 7	EXC24914MF	7	+	-	+	140 °C
Warm yellow	EXC24916MF	5	+	+	+	220 °C
Orange	EXC24920MF	5	+	+	+	140 °C
Orange fast	EXC24921MF	7	+	+	+	220 °C
Warm red fast	EXC24931MF	7	+	+	+	220 °C
Red 032*	EXC24933MF	7	-	-	+	180 °C
Rubine red	EXC24940MF	5	+	+	-	170 °C
Rubine red fast 6	EXC24941MF	6	+	+	+	170 °C
Rubine red fast 7	EXC24942MF	7	+	+	+	200 °C
Rhodamine red fast 7	EXC24951MF	7	+	+	+	180 °C
Purple fast*	EXC24953MF	7	+	+	+	220 °C
Violet fast	EXC24961MF	7	+	+	+	220 °C
Reflex blue fast*	EXC24963MF	7	+	+	+	220 °C
Blue 072 fast*	EXC24965MF	6	+	+	+	170 °C
Process Blue	EXC24970MF	8	+	+	+	220 °C
Green	EXC24980MF	8	+	+	+	220 °C
Black	EXC24990MF	8	+	+	+	220 °C

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

ADDITIVES

PRODUCT	CODE	REC. AMOUNT	COMMENT
Anti-Tack paste	EXC10001	Max. 15%	
UV Silicone additive	EXC10005	Max. 2%	
Photo initiator	EXC10045	1 – 5°C	<i>Depth cure</i>
Thinner	EXC10705	1 – 3%	
Wash-up solution	EXC10820	n/a	<i>For ink rollers and plates</i>

REMARKS**Handling and Storage**

A test for suitability must always be carried out before printing. To improve scuff resistance of non-laminated surfaces, overprint varnishing is recommended. Recommended ink roller compound: EPDM. 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 Best Before Date that is mentioned on the label of the involved lot. Please consult the appropriate safety data sheet under section 7: Handling and storage.

Shelf life

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.

Safety Measures

The components are not classified as Substances of very high concern and meet REACH requirements. Please consult the appropriate safety data sheet and the warnings on the label and/or packaging.

CONTACT

TOYO INK EUROPE N.V.  Tunnelweg 3, 2845 Niel – Belgium  +32 3/880.67.67  info@toyoink.eu