

EXC20000MY + STERAPLAST UV (L.M.)

Group: 11.1.3

Revision Date: 29/01/2025

CHARACTERISTICS

The inks Steraplast L.M. and excure 20000MY series show 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
- Formulated without ITX or benzophenone
- Great post-curing rate
- Excellent film lamination properties
- Compliant with EuPIA Exclusion Policy

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 AREA

- Letterpress
- Wet offset

COLOR	ARTICLE CODE	IWS	SPIRIT	NITRO	ALKALI	HEAT RES '10
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Process Colours



Yellow	EXC20001MY**	5	+	+	+	180°C
Magenta	EXC20002MY**	5	+	+	-	170°C
Cyan	EXC20003MY**	8	+	+	+	220°C
Black	EXC20004MY**	8	+	+	+	220°C

Premium Inks

Yellow	EXC24001MY	5	+	+	+	180°C
Magenta	EXC24002MY	5	+	+	-	170°C
Cyan	EXC24003MY	8	+	+	+	220°C
Black	EXC24004MY	8	+	+	+	220°C

Lightfast Process Colours

Yellow	EXC24021MY	7	+	-	+	140°C
Magenta	EXC24022MY	7	+	+	+	200°C

Mixing Colours

Mixing white	EXC20900MY**					200 °C
Opaque white	EXC24901MY					200 °C
Transparent white	EXC20902MY**					200 °C
Opaque white	EXC20909M**					200 °C

Mixing Colours

Yellow	EXC20912MY**	5	+	+	+	180 °C
Yellow fast 6	EXC20913MY**	6	+	+	+	220 °C
Yellow IWS 7	EXC20914MY**	7	+	-	+	140 °C
Warm yellow	EXC20916MY**	5	+	+	+	220 °C
Orange	EXC20920MY**	5	+	+	+	140 °C
Orange fast	EXC20921MY**	7	+	+	+	220 °C
Warm red fast	EXC20931MY**	7	+	+	+	220 °C
Red 032	EXC20933MY**	7	-	-	+	180 °C
Rubine red	EXC20940MY**	5	+	+	-	170 °C
Rubine red fast 6	EXC20941MY**	6	+	+	+	170 °C
Rubine red fast 7	EXC20942MY**	7	+	+	+	200 °C
Rhodamine red fast 7	EXC20951MY**	7	+	+	+	180 °C
Purple fast*	EXC20953MY**	7	+	+	+	220 °C
Violet fast	EXC20961MY**	7	+	+	+	220 °C
Reflex blue fast*	EXC20963MY**	7	+	+	+	220 °C
Blue 072 fast*	EXC20965MY**	6	+	+	+	170 °C
Process Blue	EXC20970MY**	8	+	+	+	220 °C
Green	EXC20980MY**	8	+	+	+	220 °C
Black	EXC20990MY**	8	+	+	+	220 °C

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

** these inks are suitable for metal decorating, taking into consideration the temperature resistance.

ADDITIVES

Anti-tack paste		EXC10001	
UV Silicone additive		EXC10005	
Curing promotor		EXC10108	<i>cannot be used in white or transparent</i>
Wash-up solution	labelling and reg. free	EXC10820	<i>for ink rollers and plates</i>
	water based	EXC10860	<i>for dampening system</i>
Photo initiator	liquid for inks	EXC10045	<i>depth cure</i>
Thinner		EXC10705	

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. Optimal resistance properties will be obtained 24 hours after printing. To improve scuff resistance of non-laminated surfaces, overprint varnishing is recommended. Recommended ink roller compound: EPDM.

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

3 KG cans

4 KG cans for opaque white

CONTACT INFO

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