

EXCURE 20000EB FOOD

CHARACTERISTIC

The inks of Excure series 20000EB FOOD show very good adhesion on all possible closed substrates.

PROPERTIES

- ☞ Good adhesion
- ☞ Excellent film lamination properties
- ☞ Good 'post-curing' rate
- ☞ The Excure 20000EB FOOD series contains carefully selected raw materials to minimise the risk of skin irritation and causes as little odour as possible. It does not contain raw material listed on CEPE or TSCA exclusion list
- ☞ Optimal resistance properties will be obtained 24 hours after printing
- ☞ Formulated without benzophenone
- ☞ Formulated without ITX

APPLICATION AREA

- Letterpress
- Wet offset

EB FOOD CURING SPEED (110 kV at 30 kGy)

- ➔ 330 m/min

SUITABLE SUBSTRATES (surface tension see 'Recommended treatment levels')

- 📄 High gloss paper and board
- 📄 Hard and soft vinyls (corona treated)
- 📄 Coated metals
- 📄 Pre-treated plastic films (polyester, acetate)

Preliminary adhesion tests are recommended

AVAILABLE COLOUR SHADES

- 🌀 Process colours
- 🌀 Mixing system
- 🌀 Opaque white
- 🌀 Other colours: on request

REFERENCES EXCURE 20000EB FOOD

		IWS	Alcohol	Nitro	Alkali
<u>Process colours – wet offset</u>					
Yellow	EXC20001EB FOOD	5	+	+	+
Magenta	EXC20002EB FOOD	5	+	+	-
Cyan	EXC20003EB FOOD	8	+	+	+
Black	EXC20004EB FOOD	8	+	+	+
<u>Base Inks</u>					
Mixing white	EXC20900EB FOOD				
Opaque white	EXC20901EB FOOD				
Transparent white	EXC20902EB FOOD				
Yellow	EXC20912EB FOOD	5	+	+	+
Yellow fast 6	EXC20913EB FOOD	6	+	+	+
Yellow IWS 7	EXC20914EB FOOD	7	+	-	+
Warm yellow	EXC20916EB FOOD	5	+	+	+
Orange	EXC20920EB FOOD	5	+	+	+
Orange fast	EXC20921EB FOOD	7	+	+	+
Warm red fast	EXC20931EB FOOD	7	+	+	+
Rubine red	EXC20940EB FOOD	5	+	+	-
Rubine red fast 6	EXC20941EB FOOD	6	+	+	+
Rubine red fast 7	EXC20942EB FOOD	7	+	+	+
Rhodamine red fast 7	EXC20951EB FOOD	7	+	+	+
Purple fast*	EXC20953EB FOOD	7	+	+	+
Violet fast	EXC20961EB FOOD	7	+	+	+
Reflex blue fast*	EXC20963EB FOOD	7	+	+	+
Blue 072 fast*	EXC20965EB FOOD	7	+	+	+
Cyan	EXC20970EB FOOD	8	+	+	+
Green	EXC20980EB FOOD	8	+	+	+
Black	EXC20990EB FOOD	8	+	+	+

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

REMARKS

- ★ *To improve scuff resistance of non-laminated surfaces, EB FOOD-overprint varnishing is recommended.*
- ★ *Cleaning: it is not necessary to wash the press immediately after printing. The Excure 20000EB FOOD series will not cure in the press and is therefore ready to use for the next day's printing. However, the ink may start to cure in the press if sunlight or UV-light from the bulbs is allowed to shine on the ink.*
- ★ *Shelf life: the Excure 20000EB FOOD series has a 12-month shelf life guarantee. This guarantee covers 12 months from the date of manufacture (which is mentioned on the label). In order to give this guarantee, certain recommendations must be followed: the Excure 20000EB FOOD series should be kept on stock at temperatures between 15 – 20°C and they should not be exposed to direct sunlight or heat. If possible, store the ink in a dark room.*
- ★ *Rollers: the following roller material is recommended: EPDM (Ethylene-Propylene-Diene-Monomers). EPDM rollers show excellent performance with EB FOOD-inks. They are not suitable for conventional inks, since they will swell considerably in contact with aliphatic hydrocarbons, which are used in traditional offset inks.*
- ★ *Certain Metallic EB FOOD-inks may cause swelling of EPDM rollers*
- ★ *Nitril rubber: nitril rubber rollers show minimal swelling with EB FOOD-inks and conventional inks. Solvents such as glycol and acetates do have a tendency to make this rubber swell. Nitril rubber is recommended when using two component metallic inks.*
- ★ *Letterpress plates: the Excure 20000EB FOOD series can be used together with the majority of the marketed letterpress plate materials. The best results are achieved by using soft plates for solids and harder plates for line, text and process work.*

PACKAGING

- 1 kg tins
packed in card board boxes of 10 or 20 kg
packed in palbox of 140 kg
palletbox of 225 kg
palletboxx of 360 kg
- 3 kg tins
packed in card board boxes of 12 or 24 kg
packed in palbox of 180 kg
palletbox of 270 kg
palletboxx of 504 kg
- 10 kg pails
- 200 kg barrels
- 300 kg containers

ADDITIVES

◆ Fountain additive	pH 5	EXC10900
	pH 4.8	EXC10910
◆ Wash-up solution	for manual washing	EXC10810
	for automatic washing	EXC10800
	labelling and reg. free	EXC10820
◆ Antitack paste*		EXC10001
◆ Thinner		EXC10705

RECOMMENDED TREATMENT LEVELS (DYNES / CM)

		PE	PP	PVC	PET	PS	PVDC	PU	ABS	PTFE	Silicone
Litho	Min.:	40	40	36	44	42	42	38	42	38	38
	Max.:	50	50	52	56	50	52	52	52	52	52
Letterpress	Min.:	42	40	40	46	42	42	42	45	42	40
	Max.:	54	54	52	60	58	54	56	52	60	56