



Technische Steekkaart  
Fiche Technique  
Technisches Merkblatt  
Technical Data Sheet

TOYO INK

# EXCURE 50000Z FOOD

## PROPERTIES

- ↪ *Applicable for indirect food contact*
- ↪ *Excellent printability*
- ↪ *Fast curing*
- ↪ *Good gloss, high colour strength*
- ↪ *Viscosity properties fit for printing on UV Arpeco presses or similar printing presses*
- ↪ *Low odour (according to organoleptic acceptance criteria and test methods in the Liquid Food Packaging Area)*
- ↪ *Optimal resistance properties will be obtained 24 hours after printing*
- ↪ *Following photoinitiators are not used in these ink formulations:*
  - 1-Hydroxycyclohexylphenylketone
  - 2,2-Dimethoxy-phenylacetophenone
  - 2,4-Diethyl-9H-thioxanthen-9-one
  - 2-Hydroxy-2-methylpropiophenone
  - 2-Methyl-4-(methylthio)-2-morpholinopropiophenone
  - 4-Benzoylbiphenol
  - 4-Hydroxybenzophenone
  - 4-Methylbenzophenone
  - Diphenyl-(2,4,6-trimethylbenzoyl)-phosphinoxid
  - Benzophenone
  - Ethyl-4-dimethylaminobenzoate (EDB)
  - Isopropylthioxanthone (ITX)

## APPLICATION AREA

- All Arpeco printing machines equipped with a UV-curing system*

## UV CURING SPEED (with 2 x 200 W/cm lamps)

- *Up to 300 m/min*

*(the reactivity is also influenced by the substrate, the condition of the lamps, the condition and adjustment of the reflectors, the thickness of the ink layer, colour, etc.)*

## SUITABLE SUBSTRATES

- PE coated board*
- Inline or pre Corona treated polyethylene board*
- Paper, carton board*
- Various films and foils*

*Preliminary adhesion tests are recommended*

## Recommended treatment levels

- ☼ For PE minimum 38 dynes/cm

## Available colours shades

- Process colours
- Basic colours
- All other colours on request

## REFERENCES EXCURE 50000 Z

		IWS	Alcohol	Nitro	Alkali
<b><u>Process inks</u></b>					
Yellow	EXC50081	5	+	+	+
Magenta	EXC50082	5	+	-	+
Cyan	EXC50083	8	+	+	+
Black	EXC50084	8	+	+	+
<b><u>Basic Colours</u></b>					
Transparent white	EXC50902Z	7	+	+	+
Orange	EXC50920Z	5	+	+	+
Red 032	EXC57399	5	+	-	+
Rubine fast	EXC50941Z	7	+	+	+
Rhodamine fast	EXC57400	7	+	+	+
Violet fast	EXC57401	7	+	+	+
Green	EXC57353	8	+	+	+

## REMARKS

- ★ *Cleaning: it is not necessary to wash the press immediately after printing. The Excure 50000Z 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 / UV-lamp is allowed to shine on the ink.*
- ★ *Shelf life: the Excure 50000Z 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 50000Z series should be kept on stock at temperatures between 15 – 25°C
  - The Excure 50000Z series should not be exposed to direct sunlight or heat
  - If possible, store the ink in a dark room

## PACKAGING

- 5 kg cans or 700 kg containers for the printing inks