

FLEXO COATINGS UV

Group: 12.2.1

Revision Date: 01/10/2024

CHARACTERISTICS

These excure coatings are UV coatings with a radical curing mechanism for flexo printing. All the products in this list are formulated without the use of benzophenone and low in odour.

SUITABLE SUBSTRATES

- All kinds of paper and board
 - Certain corona or chemically treated PE films
 - Certain primed aluminium foils
- Other substrates to be tested before use.*

APPLICATIONS

- Wet-in-wet/dry on UV
- Letterpress plates
- Flexo units

OVERVIEW FLEXO UV COATINGS

Product	Viscosity*	Curing	Slip	Rub	Gloss	Properties
EXC97125	40 – 50**	Fast	Medium	High	Matt	Soft Feel Matt
EXC98001	40 – 50	Fast	High	High	High Gloss	High Gloss
EXC98002	40 – 50	Fast	Low	Medium	Gloss	Gloss, stampable °
EXC98003	40 – 70	Medium	High	High	High Gloss	High Gloss
EXC98004	40 – 70	Medium	Low	Medium	Gloss	Gloss, stampable °
EXC98010	40 – 70	Fast	High	High	Gloss	Release
EXC98022	40 – 70	Medium	Low	High	High Gloss	Optical Detection
EXC98023	40 – 70	Medium	Low	High	High Gloss	Brightener
EXC98050	80 – 100	Fast	Medium	Medium	Matt	Matt, stampable °
EXC98051	40 – 50	Medium	Medium	High	Medium	Satin
EXC98054	80 – 100	Medium	Medium	High	Matt	Extreme matt, stampable °
EXC98510	60 – 100	Fast	-	-	-	Laminating Adhesive PP, BOPP, OPP films
EXC98530	100 – 120	Very Fast	-	-	-	Cold Foil Adhesive
EXC98603	40 – 50	Very Fast	Medium	High	Gloss	Chemical Resistance

*Din 4mm at 21°C

**Din 6mm at 21°C

° Stampable: gluable, overprintable, hot and cold foiling, thermotransfer printing

REMARKS

Stir well before use. Suitable for varnishing machines and coating units. Data presented is only a guideline for initial product selection, only actual test in production conditions can confirm if a certain product is fit for the intended application. **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.

PRODUCT SAFETY

These coatings are **NOT suitable for FOOD applications** unless a proper risk assessment proves that its use is safe (e.g., if the process rules out the possibility of set-off in the reel or stack AND if the design of the final printed article ensures reliable functional barrier properties to migration). For further information please contact our local sales team or www.artience-toyoinkeurope.eu

PACKAGING (varies per product)

5 KG

10 KG

25 KG

CONTACT INFO

TOYO INK EUROPE N.V. 🏢 Tunnelweg 3 - 2845 Niel - Belgium ☎ +32 3/880.67.67 ✉ info@toyoink.eu