

### Field of Application

TinTipp is nitrocellulose-based rotogravure ink series specially formulated for printing on cigarette tipping paper.

### Product Characteristics

Product	TinTipp
Product Code	T013XXX / T313XXX / T453XXX
Composition	Tipping Ink based on nitrocellulose and organic / inorganic pigments
Pigment	Food Grade Inorganic pigments – Titanium Dioxide and Iron Oxide (E171 – E172) Food Grade Organic pigments – Aluminum Lake (E102 – E180)

### Additives

#### Thinner

Prior to production, the printing ink has to be adjusted to the printing viscosity by the addition of Ethyl Acetate.

#### Retarder

Ethanol can be used as retarder in order to influence the drying time of the ink under different climate conditions.

### Product Processing

#### Prior printing

- Identification labels of the product should be always checked prior use.
- Product should be pre-conditioned to a room temperature of 20 to 25 °C, at least 24h prior use.
- Product must be mixed thoroughly before viscosity adjustment and printing process.

#### During printing

- Printing viscosity should be monitored and kept at the same level during the printing process

### Shelf Life

Shelf life depends very much on the formula/reactivity of the ink system as well as the storage temperature. It is 1 years for an unopened ink container if stored in a dark room at a temperature of 15-25°C. Under different conditions, particularly higher or lower storage temperatures, the shelf life may be reduced.

### Legislation

Product specified above is in accordance with the following:

- Tobacco Ordinance of December 20, 1977 (Bundesgesetzblatt, BGBl. [Federal Law Gazette] I p. 2831), which was last amended by Article 1 of the Ordinance of December 22, 2014 (BGBl. I p. 2398)
- Food Contact Materials Regulation (EU) No. 1935/2004

The ink can be used for production of materials in compliance with BfR recommendation XXXVI "Paper and board for food contact", status June 1, 2013