



# Technical Data Sheet

## TPC 140

### 1-Component-Pad Printing Ink

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## 1-Component Pad Printing Ink TPC 140

### Application

For polystyrene, PMMA (acrylic glass), rigid and plasticized PVC and polycarbonate.

### Properties

Pad printing inks TPC 140-NT are quick drying. They show good opacity and a glossy finish. The prints are resistant against mechanic abrasion.

TPC 140-NT inks show limited alcohol resistance and good weather resistance.

### Colour Shades

The colour shades of the TPC 140-NT range show heavy metal free pigmentation and correspond to EN 71, part 3, safety of toys, migration of certain elements.

### Ink Colour Programme

#### Standard Shades

TPC 140/10-NT citric yellow  
TPC 140/11-NT medium yellow  
TPC 140/12-NT dark yellow NT  
TPC 140/15-NT orange -NT  
TPC 140/17-NT ochre yellow  
TPC 140/20-NT light red  
TPC 140/21-NT bright red  
TPC 140/22-NT carmine red  
TPC 140/30-NT light blue  
TPC 140/32-NT ultra blue  
TPC 140/33-NT dark blue  
TPC 140/34-NT turquoise  
TPC 140/37-NT violet  
TPC 140/40-NT light green  
TPC 140/41-NT fir green  
TPC 140/51-NT brown  
TPC 140/60-HD NT white, highly opaque  
TPC 140/65-NT black

Other shades can be manufactured subject to our special ink shade regulation.

*Process Colour according to European Scale*

TPC 140/180-NT yellow  
TPC 140/181-NT magenta  
TPC 140/182-NT cyan

#### Mixing System Base Colours

TPC 140/GF-01-NT primrose  
TPC 140/GF-02-NT golden yellow  
TPC 140/GF-03-NT orange  
TPC 140/GF-04-NT scarlet  
TPC 140/GF-05-NT magenta  
TPC 140/GF-06-NT red  
TPC 140/GF-07-NT violet  
TPC 140/GF-08-NT blue  
TPC 140/GF-09-NT green  
TPC 140/GF-11-NT white  
TPC 140/GF-12-NT black  
TPC 140/GF-13 varnish

### Adjustment for Pad Printing

Prior to processing pad printing inks TPC 140-NT are adjusted with approx. 15-30% thinner VS or thinner VT. For retardation use ZG.

### Drying

Pad printing inks TPC 140-NT are air drying, i.e. by evaporation of solvents. Drying time is approx. 30 - 60 seconds at room temperature (20-25 °C; 68-77 °F). Heat application and air circulation will reduce drying time to approx. 10 sec.

At room temperature TPC 140-NT are cured after approx. 5-10 minutes.

### Cleaning

For cleaning of stencils and tools our universal cleaning agent RE can be used.



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#### **Packing**

TPC 140-NT inks are available in 1 litre cans (approx. 1.06 qt.) only.

#### **Shelf Life**

For information regarding shelf life please see tin label.

#### **Marking**

Read material safety data sheets prior to processing.

The material safety data sheets according to (EG) 1907/2006 contain marking in compliance with the regulation on dangerous preparations (1999/45/EG) as well as instructions for precautions when processing, handling and storing as well as first aid.

The information given in the material safety data sheet refers to processing as described in this product data sheet.

*The statements in our leaflets and safety data sheets are based on our present experiences, however they are no assurance of product properties and do not justify a contractual legal relationship. They serve to advise our business associates, but it is absolutely necessary to make your own printing tests under local conditions, with regard to the intended purpose prior to starting the job.*

*- All former leaflets are no longer valid. April 2008. Version Nr.4*