



Coates Screen

# Product Data Sheet

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## 2-COMPONENT PAD PRINTING INKS TP 307-NT

### APPLICATION

For printing onto pre-treated polyolefines such as polyethylene and polypropylene, thermoplastics (ABS, acrylics), metals, duroplastics and epoxy resins.

### PROPERTIES

2-component pad printing inks TP 307-NT are glossy, show good opacity and high chemical and outdoor resistance.

### COLOUR SHADES

The colour shades of the TP 307-NT range show heavy metal free pigmentation and correspond to EN 71, part 3, safety of toys, migration of certain elements.

### ADJUSTMENT FOR PAD PRINTING

2-component pad printing inks TP 307-NT are mixed with hardener TP 219 prior to processing. Mixing ratio (parts by weight) should be:

4 parts ink TP 307-NT : 1 part hardener TP 219

Pot life is approx. 8 h.

Pad printing inks TP 307-NT are adjusted to printing consistency with 15–30% Additive A. Thinner VD 60 can be used as slow thinner, TPD as retarder.

### DRYING

After addition of hardener TP 219 2-component TP 307-NT inks dry chemically-physically within approx. 15 min. at room temperature (20- 25°C; 68- 77°F) Heat application and air circulation will reduce drying time to approx. 30 seconds.

At room temperature TP 307-NT inks are fully cured after approx. 5- 6 days.

### CLEANING

For cleaning of stencils and tools our thinner VD 40 or Cliché Spray are suitable.

### PACKING

Pad printing inks TP 307-NT are available in 1 liter containers.

### SHELF LIFE

For information regarding shelf life please see tin label.

### CLASSIFICATION

Read material safety data sheets prior to processing. The material safety data sheets according to Regulation (EC) No 1907/2006 contain classification according to preparations directive (1999/45/EC) as well as instructions for precautions when processing, handling and storing as well as first aid.

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

STANDARD SHADES			
citric yellow	TP 307/10-NT	light blue, highly opaque	TP 307/30-HD-NT
citric yellow, highly opaque	TP 307/10-HD-NT	medium blue	TP 307/31-NT
medium yellow	TP 307/11-NT	ultra marine	TP 307/32-NT
medium yellow, highly opaque	TP 307/11-HD-NT	dark blue	TP 307/33-NT
dark yellow	TP 307/12-NT	turquoise	TP 307/34-NT
dark yellow, highly opaque	TP 307/12-HD-NT	violet	TP 307/37-NT
orange	TP 307/15-NT	violet, highly opaque	TP 307/37-HD-NT
orange, highly opaque	TP 307/15-HD-NT	light green	TP 307/40-NT
ochre yellow	TP 307/17-NT	light green, highly opaque	TP 307/40-HD-NT
light red	TP 307/20-NT	fir green	TP 307/41-NT
light red, highly opaque	TP 307/20-HD-NT	brilliant green	TP 307/42-NT
red bright	TP 307/21-NT	light brown	TP 307/50-NT
red bright, highly opaque	TP 307/21-HD-NT	dark brown	TP 307/51-NT
carmine red	TP 307/22-NT	white	TP 307/60-NT
carmine red, highly opaque	TP 307/22-HD-NT	white, highly opaque	TP 307/60-HD-NT
pink	TP 307/25-NT	black	TP 307/65-NT
light blue	TP 307/30-NT	black, highly opaque	TP 307/65-HD-NT
Other shades can be manufactured subject to our special shade regulation.			
PROCESS COLOURS ACCORDING TO EUROPE SCALE			
yellow	TP 307/180-NT		
magenta	TP 307/181-NT		
cyan	TP 307/182-NT		
C-MIX 2000 BASE COLOURS			
primrose	TP 307/Y30	violet	TP 307/V50
golden yellow	TP 307/Y50	blue	TP 307/B50
orange	TP 307/O50	green	TP 307/G50
scarlet	TP 307/R20	black	TP 307/N50
red	TP 307/R50	white	TP 307/W50
magenta	TP 307/M50	varnish	TP 307/E50

*The statements in our product 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 product data sheets are no longer valid. APRIL 2008 – VERSION No. 3*

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