



Coates Screen

# Product Data Sheet

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## PAD PRINTING INKS TP 305-NT

### APPLICATION

For coated surfaces, pre-treated polyolefines (polyethylene, polypropylene), wood, cardboard, polyamide, compact disks, polystyrene and its copolymers (ABS, SAN etc.), rigid PVC.

### PROPERTIES

Pad printing inks TP 305-NT show quick drying, excellent processing properties, good gloss and opacity.

### COLOUR SHADES

Printing inks by Coates Screen Inks GmbH correspond to the requirements of the respective current version of the EUPIA exclusion list. Pigments and other compounds based on antimony\*, arsenic, cadmium, chromium(VI), lead, mercury and selenium are not used.

\*see footnote in EUPIA list

### ADJUSTMENT FOR PAD PRINTING

Pad printing inks TP 305-NT can be processed as 1- and as 2-component ink.

Prior to processing TP 305-NT is adjusted to printing consistency with 15-30% Additive A or thinner VD 60. For retardation use TPD.

For 2-component processing mix with hardener TP 219 at a ratio of 10 : 1. Pot life is about 8 hours.

### DRYING

Pad printing inks TP 305-NT are air drying, i.e. by evaporation of solvents. At room temperature (20-25°C) drying time is approx. 1-3 min. Heat application and air circulation will reduce drying time to approx. 30-40 sec.

If used as 2-component ink drying time is similar. Complete curing is only achieved after approx. 4-5 days.

### CLEANING

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

### PACKING

Pad printing inks TP 305-NT are available in 1 liter containers.

### SHELF LIFE

For information regarding shelf life please see tin label.

### CLASSIFICATION

Read material safety data sheet prior to processing.

The material safety data sheet according to Regulation (EC) No. 1907/2006 (REACH) contains classification according to Regulation (EC) No. 1272/2008 (CLP/GHS) as well as instructions for precautions when processing, handling and storing as well as first aid.

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### STANDARD SHADES

citric yellow	TP 305/10-NT	dark blue	TP 305/33-NT
medium yellow	TP 305/11-NT	violet	TP 305/37-NT
dark yellow	TP 305/12-NT	light green	TP 305/40-NT
orange	TP 305/15-NT	fir green	TP 305/41-NT
ochre yellow	TP 305/17-NT	light brown	TP 305/50-NT
light red	TP 305/20-NT	dark brown	TP 305/51-NT
bright red	TP 305/21-NT	white	TP 305/60-NT
carmine red	TP 305/22-NT	white, highly opaque	TP 305/60-HD-NT
pink	TP 305/25-NT	black	TP 305/65-NT
light blue	TP 305/30-NT	black, highly opaque	TP 305/65-HD-NT
ultra blue	TP 305/32-NT		

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

### PROCESS COLOURS ACCORDING TO EUROPE SCALE

yellow	TP 305/180-NT
magenta	TP 305/181-NT
cyan	TP 305/182-NT

### C-MIX 2000 BASE COLOURS

primrose	TP 305/Y30	violet	TP 305/V50
golden yellow	TP 305/Y50	blue	TP 305/B50
orange	TP 305/O50	green	TP 305/G50
scarlet	TP 305/R20	black	TP 305/N50
red	TP 305/R50	white	TP 305/W50
magenta	TP 305/M50	varnish	TP 305/E50

### BRONZE INKS

rich gold	TP 305/75-AB-NT
rich-pale gold	TP 305/76-AB-NT
pale gold	TP 305/77-AB-NT
copper	TP 305/78-AB-NT
silver	TP 305/79-AB-NT

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

*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. MAY 2015 – VERSION No. 6*

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