



Coates Screen

Product Data Sheet

PAD PRINTING INKS TP 300-R-NT

APPLICATION

For duroplastics, wood, coated surfaces, various metals, paper polyamide, polyacetal (post-treated), pre-treated polyethylene and polypropylene, polycarbonate, polyester, PMMA, polystyrene, polyurethane, rigid PVC, as well as compact discs.

PROPERTIES

Ink type TP 300-R-NT is quick drying and glossy. Opacity and printability are very good.

Pad printing inks TP 300-R-NT are suitable for rotary printing.

COLOUR SHADES

The colour shades of the TP 300-R-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

Ink type 300-R-NT is adjusted for printing with 15-30% Additive A. For retardation use TPD.

In order to meet higher demands regarding mechanical and chemical resistance as well as adhesion, ink type TP 300-R-NT may also be used as a 2-component printing ink.

Mixing ratio pad printing ink TP 300-R-NT: hardener TP 219 is 10:1 parts by weight.

Pot life of the mixed ink is approx. 10 hours. After this time adhesion and resistances might be reduced, even if the ink still seems to be liquid and processable.

DRYING

Ink type TP 300-R-NT air dries, i.e. by evaporation of solvents. At room temperature (20-25°C; 68-77°F) drying time is approx. 2-3 minutes.

With heat application and air circulation 30-60 seconds. It will take approx. 24 hours to completely cure.

If processed as 2-component ink mechanical and chemical resistances will only be achieved after 3-4 days.

CLEANING

For cleaning of stencils and tools universal cleaning agent URS is suitable. If the ink has already dried a better cleaning effect is achieved using cleaning agent ZR.

Screen Spray cleaning agent should not be used when processing 2-component inks, as it might have a bad effect on the pot life of these inks.

PACKING

TP 300-R-NT inks are available in 1 liter (approx. 1.06 quarts) cans.

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 91/155/EWG contain marking in compliance with the regulation on dangerous working materials 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 technical leaflet.

STANDARD SHADES

citric yellow	TP 300/10-R-NT	light blue, highly opaque	TP 300/30-HD-NT
citric yellow, highly opaque	TP 300/10-HD-NT	medium blue	TP 300/31-R-NT
medium yellow	TP 300/11-R-NT	ultra marine	TP 300/32-R-NT
medium yellow, highly opaque	TP 300/11-HD-NT	dark blue	TP 300/33-R-NT
dark yellow	TP 300/12-R-NT	turquoise	TP 300/34-R-NT
dark yellow, highly opaque	TP 300/12-HD-NT	violet	TP 300/37-R-NT
orange	TP 300/15-R-NT	violet, highly opaque	TP 300/37-HD-NT
orange, highly opaque	TP 300/15-HD-NT	light green	TP 300/40-R-NT
ochre yellow	TP 300/17-R-NT	light green, highly opaque	TP 300/40-HD-NT
light red	TP 300/20-R-NT	fir green	TP 300/41-R-NT
light red, highly opaque	TP 300/20-HD-NT	brilliant green	TP 300/42-R-NT
red bright	TP 300/21-R-NT	light brown	TP 300/50-R-NT
red bright, highly opaque	TP 300/21-HD-NT	dark brown	TP 300/51-R-NT
carmine red	TP 300/22-R-NT	white	TP 300/60-R-NT
carmine red, highly opaque	TP 300/22-HD-NT	white, highly opaque	TP 300/60-HD-NT
pink	TP 300/25-R-NT	black	TP 300/65-R-NT
light blue	TP 300/30-R-NT	black, highly opaque	TP 300/65-HD-NT

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

PROCESS COLOURS ACCORDING TO EUROPE SCALE

yellow	TP 300/180-NT
magenta	TP 300/181-NT
cyan	TP 300/182-NT

C-MIX 2000 BASE SHADES

primrose	TP 300/Y30	violet	TP 300/V50
golden yellow	TP 300/Y50	blue	TP 300/B50
orange	TP 300/O50	green	TP 300/G50
scarlet	TP 300/R20	black	TP 300/N50
red	TP 300/R50	white	TP 300/W50
magenta	TP 300/M50	varnish	TP 300/E50

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 2000 – VERSION

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