



Coates Screen

Product Data Sheet

PAD PRINTING INKS TPI-NT

APPLICATION

For all kinds of thermoplastics except polyolefines. Especially suitable for polystyrene, rigid and plastizised PVC and coated surfaces.

PROPERTIES

TPI-NT are quick drying pad printing inks which show a semi-gloss finish. Due to their high pigment content they show very good opacity.

TPI-NT inks also show excellent resistance against alcoholic cleaning agents and hand sweat. The colour shades of TPI-NT are weldable with the exception of black and the bronze shades.

Weldable black is TPI 66-IR. For bronze shades the letters "HF" are added to the colour name (e.g. TPI 79/HF).

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 TPI-NT are adjusted to printing consistency with 15-30% Additive A. Use TPD as retarder.

DRYING

TPI-NT are air drying, i.e. by evaporation of solvents.

At room temperature (20-25°C; 68-77°F) drying time is approx. 1-2 minutes. With heat application and air circulation drying time is approx. 10-20 seconds.

CLEANING

For cleaning of stencils and tools our thinner VD 40 or Cliché Spray can be used.

PACKING

TPI-NT inks are available in 1 liter cans only.

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.

STANDARD SHADES

citric yellow	TPI/10-NT	ultra marine	TPI/32-NT
citric yellow, highly opaque	TPI/10-HD-NT	dark blue	TPI/33-NT
medium yellow	TPI/11-NT	violet	TPI/37-NT
medium yellow, highly opaque	TPI/11-HD-NT	violet, highly opaque	TPI/37-HD-NT
dark yellow	TPI/12-NT	light green	TPI/40-NT
dark yellow, highly opaque	TPI/12-HD-NT	light green, highly opaque	TPI/40-HD-NT
orange	TPI/15-NT	fir green	TPI/41-NT
orange, highly opaque	TPI/15-HD-NT	brilliant green	TPI/42-NT
light red	TPI/20-NT	green	TPI/44-NT
light red, highly opaque	TPI/20-HD-NT	light brown	TPI/50-NT
bright red	TPI/21-NT	dark brown	TPI/51-NT
bright red, highly opaque	TPI/21-HD-NT	white	TPI/60-NT
carmine red	TPI/22-NT	white, highly opaque	TPI/60-HD-NT
carmine red, highly opaque	TPI/22-HD-NT	black	TPI/65-NT
light blue	TPI/30-NT	black, highly opaque	TPI/65-HD-NT
light blue, highly opaque	TPI/30-HD-NT	black, weldable	TPI/66-IR
medium blue	TPI/31-NT		

Other colour shades can be manufactured subject to our special production regulation.

PROCESS COLOURS ACCORDING TO EUROPE SCALE

yellow	TPI/180-NT
magenta	TPI/181-NT
cyan	TPI/182-NT

C-MIX 2000 BASE COLOURS

citric yellow	TPI/Y30	magenta	TPI/M50
golden yellow	TPI/Y50	blue	TPI/B50
orange	TPI/O50	green	TPI/G50
scarlet	TPI/R20	black	TPI/N50
red	TPI/R50	white	TPI/W50
violet	TPI/V50	varnish	TPI/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. MAY 2015 – VERSION No. 6

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