



Coates Screen

Product Data Sheet

PAD PRINTING INKS TP 247-NT

APPLICATION

For pre-treated polyethylene and polypropylene, polymethylmethacrylate, rigid and plasticized PVC.

PROPERTIES

TP 247-NT are quick drying, semi-gloss pad printing inks which show good opacity. With the exception of whites and inks with a high content of white, which have a tendency to chalking, TP 247 inks show limited weather resistance. They can either be processed as 1- or as 2-component ink. As 2-component ink TP 247 inks will show better resistance against various solvents and weather influences.

COLOUR SHADES

The colour shades of the TP 247-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

For 1-component processing TP 247-NT inks are adjusted to printing consistency with approx. 15-30% Additive A. For retardation use TPD.

For 2-component processing TP 247-NT inks are mixed with hardener TP 219 as follows:

10 parts ink : 1 part hardener TP 219 (parts by weight).

The pot life of the mixed ink is approx. 8 hours. After this time adhesion and resistance might be reduced, even if the ink still seems to be liquid and processable. Pot life is dependent upon room temperature and relative humidity.

DRYING

TP 247-NT inks are air drying. As 2-component inks they dry chemically/physically. 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 seconds.

Mechanical and chemical resistances are not achieved until the ink is fully cured (approx. 5 – 6 days).

CLEANING

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

PACKING

TP 247-NT inks are available in 1 liter cans only.

Hardener TP 219 is available in 0.5 and 1 liter cans (approx. 0.53 and 1.06. qts.). Upon special request it can also be obtained in 200 g tubes.

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.

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

STANDARD SHADES			
citric yellow	TP 247/10-NT	ultra marine	TP 247/32-NT
medium yellow	TP 247/11-NT	dark blue	TP 247/33-NT
light orange	TP 247/14-NT	violet	TP 247/36-NT
light red	TP 247/20-NT	white	TP 247/60-NT
bright red	TP 247/21-NT	white, highly opaque	TP 247/60-HD-NT
carmine red	TP 247/22-NT	black	TP 247/65-NT
light blue	TP 247/30-NT		
Other colour shades can be manufactured subject to our special production regulation.			
PROCESS COLOURS ACCORDING TO EUROPE SCALE			
yellow	TP 247/180-NT		
magenta	TP 247/181-NT		
cyan	TP 247/182-NT		
C-MIX 2000 BASE COLOURS			
primrose	TP 247/Y30	violet	TP 247/V50
golden yellow	TP 247/Y50	blue	TP 247/B50
orange	TP 247/O50	green	TP 247/G50
scarlet	TP 247/R20	black	TP 247/N50
red	TP 247/R50	white	TP 247/W50
magenta	TP 247/M50	varnish	TP 247/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. 5

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