



Coates Screen

Product Data Sheet

PAD PRINTING INKS TP 273/T-NT

APPLICATION

For rubber, leather, imitation leather, polyamide and polyurethane, elastomers (TPE, Santoprene), soft-touch coatings.

PROPERTIES

TP 273/T-NT inks are quick drying semi-gloss inks. The ink film is elastic and largely follows the contours of the substrate. Compared to ink type TP 273, printability of pad printing inks TP 273/T has been improved considerably with regard to cobwebs (splashing). Moreover, on several substrates a better adhesion is now possible. Thus TP 273/T can be printed on a broader substrate range.

TP 273/T-NT inks show medium opacity.

COLOUR SHADES

The colour shades of the TP 273/T-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

Pad printing inks TP 273/T-NT are adjusted to printing consistency with approx. 15-30% Additive A or thinner VD 40. Use TPD for retardation.

If higher mechanical resistance or increased adhesion is required, TP 273/T-NT inks can also be processed as 2-component ink with hardener TP 219/N.

The mixing ratio TP 273/T-NT : hardener TP 219/N is approx. 10 : 1 (parts by weight). Pot life of the mixed ink is approx. 8 hours. Mechanical and chemical resistances are not achieved until the ink is fully cured (approx. 4-5 days).

DRYING

Pad printing inks TP 273/T-NT dry chemically or 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. 10-15 seconds.

CLEANING

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

PACKING

TP 273/T-NT inks are available in 1 liter cans only.

Hardener TP 219/N 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, highly opaque	TP 273/T-10-HD-NT	medium blue, highly opaque	TP 273/T-31-HD-NT
medium yellow, highly opaque	TP 273/T-11-HD-NT	ultra marine, highly opaque	TP 273/T-32-HD-NT
dark yellow, highly opaque	TP 273/T-12-HD-NT	dark blue, highly opaque	TP 273/T-33-HD-NT
orange, highly opaque	TP 273/T-15-HD-NT	turquoise, highly opaque	TP 273/T-34-HD-NT
light red, highly opaque	TP 273/T-20-HD-NT	violet, highly opaque	TP 273/T-37-HD-NT
red bright, highly opaque	TP 273/T-21-HD-NT	light green, highly opaque	TP 273/T-40-HD-NT
carmine red, highly opaque	TP 273/T-22-HD-NT	fir green, highly opaque	TP 273/T-41-HD-NT
pink, highly opaque	TP 273/T-25-HD-NT	white, highly opaque	TP 273/T-60-HD-NT
light blue, highly opaque	TP 273/T-30-HD-NT	black, highly opaque	TP 273/T-65-HD-NT
Other colour shades can be manufactured subject to our special production regulation.			
C-MIX 2000 BASE COLOURS			
primrose	TP 273/T-Y30	violet	TP 273/T-V50
golden yellow	TP 273/T-Y50	blue	TP 273/T-B50
orange	TP 273/T-O50	green	TP 273/T-G50
scarlet	TP 273/T-R20	black	TP 273/T-N50
red	TP 273/T-R50	white	TP 273/T-W50
magenta	TP 273/T-M50	varnish	TP 273/T-E50
BRONZE INKS			
rich gold	TP 273/T-75-NT		
rich-pale gold	TP 273/T-76-NT		
pale gold	TP 273/T-77-NT		
copper	TP 273/T-78-NT		
silver	TP 273/T-79-NT		

METAL GLOSS INKS

rich gold	TP 273/T-75-MG
rich-pale gold	TP 273/T-76-MG
pale gold	TP 273/T-77-MG
copper	TP 273/T-78-MG
silver	TP 273/T-79-MG

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. APRIL 2008 – VERSION No. 3

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