



Coates Screen

# Product Data Sheet

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## PAD PRINTING INKS TP 260-NT

### APPLICATION

For duroplastics, glass, coated surfaces, metals and non-ferrous metals, polyamide, polycarbonate, polyester, polymethacrylate, polyurethane and rigid PVC.

### PROPERTIES

TP 260-NT inks are quick drying, glossy pad printing inks. They show resistance to many organic solvents, chemicals, diluted alkalines and acids. Resistance to mechanical abrasion is very good.

### COLOUR SHADES

The colour shades of the TP 260-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 260-NT are mixed with hardener TP 219 prior to processing. Mixing ratios (parts by weight) should be:

2 parts ink : 1 part hardener TP 219.

The inks are adjusted to printing consistency with 15-30% additive A. For retardation use TPD.

The pot life of the mixed ink is approx. 6 hours. After this time adhesion and resistance might be reduced, even though the ink still seems liquid and processable.

### DRYING

2-component pad printing inks TP 260-NT mixed with hardener TP 219 dry chemically/physically. At room temperature (20-25°C; 68-77°F) drying time is approx. 2 minutes.

Heat application and air circulation will reduce drying time to approx. 30-40 sec. Using a Leister-blower drying time will be a few seconds only.

Full mechanical and chemical resistance is achieved after 5-6 days curing time.

### CLEANING

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

### PACKING

Pad Printing Inks TP 260-NT are available in 1 liter cans.

### SHELF LIFE

For information regarding shelf life please see tin label.

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## 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 260/10-NT    | ultra marine               | TP 260/32-NT    |
| citriy yellow, highly opaque                                                          | TP 260/10-HD-NT | dark blue                  | TP 260/33-NT    |
| medium yellow                                                                         | TP 260/11-NT    | turquoise                  | TP 260/34-NT    |
| medium yellow, highly opaque                                                          | TP 260/11-HD-NT | violet                     | TP 260/37-NT    |
| dark yellow                                                                           | TP 260/12-NT    | violet, highly opaque      | TP 260/37-HD-NT |
| dark yellow, highly opaque                                                            | TP 260/12-HD-NT | light green                | TP 260/40-NT    |
| orange                                                                                | TP 260/15-NT    | light green, highly opaque | TP 260/40-HD-NT |
| orange, highly opaque                                                                 | TP 260/15-HD-NT | fir green                  | TP 260/41-NT    |
| ochre yellow                                                                          | TP 260/17-NT    | brilliant green            | TP 260/42-NT    |
| light red                                                                             | TP 260/20-NT    | light brown                | TP 260/50-NT    |
| light red, highly opaque                                                              | TP 260/20-HD-NT | dark brown                 | TP 260/51-NT    |
| red bright                                                                            | TP 260/21-NT    | dark brown, mat            | TP 260/51-MT-NT |
| red bright, highly opaque                                                             | TP 260/21-HD-NT | white                      | TP 260/60-NT    |
| carmine red                                                                           | TP 260/22-NT    | white, highly opaque       | TP 260/60-HD-NT |
| carmine red, highly opaque                                                            | TP 260/22-HD-NT | white, matt                | TP 260/60-MT-NT |
| pink                                                                                  | TP 260/25-NT    | black                      | TP 260/65-NT    |
| light blue                                                                            | TP 260/30-NT    | black, highly opaque       | TP 260/65-HD-NT |
| light blue, highly opaque                                                             | TP 260/30-HD-NT | black, mat                 | TP 260/65-MT-NT |
| medium blue                                                                           | TP 260/31-NT    |                            |                 |
| Other colour shades can be manufactured subject to our special production regulation. |                 |                            |                 |
| PROCESS COLOURS ACCORDING TO EUROPE SCALE                                             |                 |                            |                 |
| yellow                                                                                | TP 260/180-NT   |                            |                 |
| magenta                                                                               | TP 260/181-NT   |                            |                 |
| cyan                                                                                  | TP 260/182-NT   |                            |                 |
| C-MIX 2000<br>BASE COLOURS                                                            |                 |                            |                 |
| primrose                                                                              | TP 260/Y30      | violet                     | TP 260/V50      |
| golden yellow                                                                         | TP 260/Y50      | blue                       | TP 260/B50      |
| orange                                                                                | TP 260/O50      | green                      | TP 260/G50      |
| scarlet                                                                               | TP 260/R20      | white                      | TP 260/W50      |
| red                                                                                   | TP 260/R50      | black                      | TP 260/N50      |
| magenta                                                                               | TP 260/M50      | varnish                    | TP 260/E50      |

| BRONZE INKS                                                                  |                 |
|------------------------------------------------------------------------------|-----------------|
| rich gold                                                                    | TP 260/75-AB-NT |
| rich-pale gold                                                               | TP 260/76-AB-NT |
| pale gold                                                                    | TP 260/77-AB-NT |
| copper                                                                       | TP 260/78-AB-NT |
| silver                                                                       | TP 260/79-AB-NT |
| METAL GLOSS INKS                                                             |                 |
| rich gold                                                                    | TP 260/75-MG    |
| rich-pale gold                                                               | TP 260/76-MG    |
| pale gold                                                                    | TP 260/77-MG    |
| copper                                                                       | TP 260/78-MG    |
| silver                                                                       | TP 260/79-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. 5*

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