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## **PAD PRINTING INK TPA 287C Rev B**

### **APPLICATION**

For cellulose acetate, duroplastics, polyamide, polyester, polyacetal (post-treated), pre-treated polyethylene and polypropylene, metals and coated surfaces (also for 2-component systems and powder-coated surfaces).

### **PROPERTIES**

TPA inks are quick drying , glossy and opaque. They show high mechanical resistance and resistance against many organic solvents, chemicals, diluted alkalines and acids, oils and grease.

### **COLOUR SHADES**

The colour shades of the TPA range show heavy metal free pigmentation and correspond to EN 71, part 3, safety of toys, migration of certain elements.

### **ADJUSTMENT FOR PAD PRINTING**

2-component pad printing inks TPA are mixed with hardener TPWH as follows:

4 parts ink : 1 part hardener (parts by weight).

The ink is adjusted to printing consistency by addition of 15-30% TPWA. Only TPWD can be used for retardation.

Pot life of the mixed ink is approx. 5 hours. After this time adhesion and resistance might be reduced, even if the ink still seems to be liquid and processable.

### **DRYING**

After hardener addition 2-component pad printing inks TPA dry chemically/physically. At room temperature (20-25°C; 68-77°F) drying time is approx. 10-15 minutes. With heat application and air circulation drying time is approx. 1 minute. Using a Leister-blower drying time will only be a few 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 universal cleaning agent URS can be used. If the ink has already dried a better cleaning effect is achieved using cleaning agent ZR.

Screen Spray should not be used as it may have a bad effect on the pot life of 2-component inks.

### **PACKING**

TPA inks are available in 1 liter cans (approx. 1.06 qts.) only.

Hardener TPWH 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.

### **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.



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*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 No.1*

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