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# TP 400

## THE UNIVERSAL PAD PRINTING INK FROM COATES SCREEN INKS GMBH

When we developed TP 400 ink range several years ago it was our intention to offer our customers a universal, and easy-to-print, solvent-based ink.

It is about time now, to put this innovative ink range to the test again. Does TP 400 pad printing inks range still meet all present requirements?

In the recent years, there have been quite a few changes. Many raw materials have been reclassified, resulting in stricter hazard labelling of printing inks. That also applied to labelling of our TP 400 range, even though there had been no change of the formulation. Our laboratory experts have once again conducted a thorough evaluation of the formulation to find any possibility of a „facelift“ to further increase product safety of this ink range.



### **Our top priority during that evaluation always was to safeguard the outstanding technical product characteristics of the TP 400 ink range.**

Our laboratory team has carefully assessed the suitability of many new raw materials for solvent based products with an extremely low hazard potential. After many trials and tests with new modifications of the formulation and printing tests we have concluded: We had already done a good job when we first developed TP 400. The raw materials selected at that time were exactly the right choice and still meet current requirements.

In addition to the excellent processing properties of easy-to-print pad printing inks TP 400 for a variety of applications, the dried ink film also shows best possible results on many different substrates. We do not make any compromises.

### **Same Good Quality**

TP 400 pad printing inks, as well as the thinners and additives recommended for ready-to-print adjustment, do not contain aromatics, butyl glycolate (GB esters), cyclohexanone, bisphenol A (BPA) or polycyclic aromatic hydrocarbons (PAHs). The ink meets all criteria for obtaining the GS mark (category 1) according to GS specification AfPS GS 2014:01 PAH.

### **Substrates and Application**

TP 400 inks are particularly suitable for printing on thermoplastics such as polycarbonate (PC), PMMA ("acrylic glass"), polyamide (PA), pre-treated polyolefins, i.e. polypropylene (PP), polyethylene (PE); also suitable for rigid PVC, polystyrene, polyester, polyacetal (POM, flame drying), polyurethane. Furthermore also for duroplastics, metals, and coated substrates.

Application possibilities of TP 400 ink series range from technical-industrial applications to applications in the toys and promotional products industry. Pad printing inks TP 400 are certified according to USP Medical Class VI for use on medical products.

This ink type can be processed as a one-component (1c) and (optionally) two-component (2c) ink with hardener. TP 400 inks dry physically as 1c ink or physically/chemically reactive as 2c ink. The resulting prints show a satin-gloss finish.

### **MAIN APPLICATION:**

- Promotional Articles
- Toys
- Sport goods
- Packaging
- Medical appliances
- White goods
- Cosmetic articles
- Electronic articles
- Automotive (plastics)