12 series high gloss and low odor PVC ink

【Printing Substrate】

❖ Suitable for printing a variety of different types of soft and hard PVC, including the latest models of hard materials.

❖ Applied to membrane switches, flag sails, label stickers, stickers, shampoo labels, soft containers and wall panels printed on PC and PVC sheets.

【Physical Characteristics】

❖ The 12 series are low-odor, matte PVC inks;

❖ Delicate and slow drying speed, suitable for fine printing of the panel;

❖ Vivid colors, strong opacity, and outstanding light fastness of the pigments;

❖ Surface drying: natural volatilization at room temperature (25℃), 20-30min
Complete drying: natural volatilization at room temperature (25℃), 2-4h.

【Dilution】

❖ KTS-5000 (medium dry), KTS-783 (slow dry), the recommended proportion of addition is generally 10-15%.

❖ 10-K110 (Ultra black): strong opacity, suitable for large-area printing with high hiding as a base.

❖ 10B-W100 (white): high ink body, strong opacity, suitable for large-area printing with high hiding as a base.

【Mesh】

300 mesh screen is recommended for fine printing, and 200 mesh screen can be used when printing large areas and requiring high hiding.

【Washing】

Use KTS-3000 mesh washing water to clean the screen.

【Printing advice】

❖ Due to the rapid development of plastic and additive technology, a trial print and evaluation of its adhesion should be tested before use.

- ❖ Use white electric oil as a pre-press cleaning to clean the plasticizer remaining on the plastic.
- ❖ In multi-color overprinting or overprinting, the next color should be printed after the ink layer has dried.
- ❖ When printing soft PVC, pay attention to its anti-sticking performance.
- ❖ The printing product can be laminated after the ink layer is completely dried, and do not pressed to avoid anti-sticking.

【High temperature baking】

P100NT, Y100NT, S100NT may discoloration or color migration when they are baked at a high temperature above 100℃. If dried in a drying tunnel and the temperature exceeds 100℃ after printing, recommended to use P100NT/LF, Y100NT/LF, S100NT/LF respectively replace P100NT, Y100NT, S100NT.

【Print amount】

After proper dilution and using proper mesh, the printing amount can reach 25-35m2/kg.

【Environmental information】

According to years of testing by SGS and CTI, the basic colors of this series (except 12-UA100 ultramarine, 12-M808 silver, 12-M809 silver, 12-GM903 green gold and 12-GM905 red gold) meet the environmental protection requirements of ROHS, EN71-3, ASTM-F963, HR4040, and meet the "Bauhinia Environmental Protection Level A", but in order to ensure that the product is not polluted during transportation and use, it is recommended that customers conduct corresponding environmental protection inspections and performance tests before use, and only use them in large scale after confirming that they are correct.

【Precautions for storage and use】

Place the ink in a cool place and stored for 24 months at room temperature 25°C, gold and silver inks can generally be stored for 6 months, and fluorescent inks can be stored for 12 months. If the shelf life is exceeded, trial printing is required to reconfirm the printing quality. Low odor. Using this product in accordance with standard health regulations and safety regulations should not be harmful to the human body, but just

like other general chemicals, avoid skin and eyes from being contaminated when using this product. If splashed, rinse with plenty of water. And for treatment, see MSDS for details.

【**Disclaimer**】

* The information in this article is based on actual production and test results, but whether the performance of the product meets the requirements of your factory depends on the specific application conditions and the materials to be printed. We suggest that users need to know whether each product meets all their requirements before starting to print. Since we cannot predict or control the conditions for your products to be used, product performance cannot be guaranteed. All sales are subject to our company's Standard sales terms and conditions control.