

# Features and Applications of Coated Paper

## Detail Introduction :

What is Coated Paper?

Material characteristics of Coated Paper

The main purpose of Coated Paper

## What is Coated Paper?

Coated paper, also known as coated printing paper, is a high-grade printing paper made of base paper coated with white paint. It is one of the most commonly used wine label papers. The price is relatively cheap. The supply of general manufacturers is relatively sufficient. It is a paper with relatively high printing color reduction. It is mainly used to print the covers and illustrations of high-grade books and periodicals, color pictures, various exquisite commodity advertisements Samples, commodity packaging, trademarks, etc.

Coated paper can be divided into single-sided coated paper, double-sided coated paper, matte coated paper and cloth coated paper. The usual size is 787 × 1092mm?880 × 1230mm, quantitative 70 ~ 250G / m<sup>2</sup>, divided into a, B and C according to the quality. The main raw materials are coated base paper and coating. Coated base paper has the advantages of uniform thickness, small flexibility, high strength and good water resistance. There are no paper defects such as spots, wrinkles and holes on the paper surface. The coating is composed of high-quality white pigments, adhesives (such as polyvinyl alcohol, casein, etc.) and auxiliary additives, and then this coating with high fluidity and high solid content, It is applied on the base paper thinly and evenly by the coater, then dried, rolled into a roll on the paper coiler, and then sent to the super calender for calendering and finishing. Finally, it is cut, selected and packaged to form the final product.

Content:

Material properties

Main purpose

Application Introduction

## Material characteristics of Coated Paper

A coated paper used for copperplate printing. According to different uses, it can be divided into single-sided or double-sided coating. There are flat paper and web paper. The quantitative is generally 70 ~ 150g / m<sup>2</sup>, and the double-sided coating is also 180 ~ 250G / m<sup>2</sup>. The paper is uniform and compact, with high whiteness (more than 85%), smooth surface, high gloss and firm and consistent coating, which is convenient to obtain exquisite and clear patterns and words after printing. Coated base paper is made from bleached chemical wood pulp or partially bleached chemical straw pulp on a paper machine. Taking the base paper as the paper base, white pigments (also known as clay, such as kaolin, talc, calcium carbonate, titanium dioxide, etc.), adhesives (polyvinyl alcohol, casein, modified starch, synthetic latex, etc.) and other auxiliary materials (such as gloss agent, hardener, plasticizer, dispersant, wetting agent, opacifier, fluorescent whitening agent, toner, etc.) It is made by uniform coating on the coater, drying and super calendering. It is mainly used for red wine labels, picture books, color illustrations, book covers and advertising trademarks.

Coated paper is characterized by very smooth and flat paper surface, high smoothness and good gloss. Because the whiteness of the coating used is more than 90%, and the particles are very fine, and they are calendered by the super calender, the smoothness of coated paper is generally 600 ~ 1000s. At the same time, the coating is evenly distributed on the paper surface and shows pleasant white. It is required to have high coating strength, The coating is thin and uniform without bubbles, and the amount of adhesive in the coating is appropriate to prevent the paper from powder and hair during printing. In addition, the absorption of coated paper to xylene shall be appropriate and can be suitable for fine mesh printing of more than 60 lines / cm.

# The main purpose of Coated Paper

Cloth coated paper is pressed with an old blanket. In addition to the flat paper surface and high whiteness, it also makes the printed graphics and pictures have a three-dimensional sense. Therefore, this coated paper can be widely used to print trademarks, advertisements, pictures, character photography etc.

Coated paper is one of the main papers used in printing plants. Coated paper is commonly known as printing coating paper, which is widely used in real life. Almost all the beautiful wall calendars, posters sold in bookstores, book covers, illustrations, art books, picture albums and so on are coated paper. Coated paper is also widely used in all kinds of exquisite decoration packaging, paper handbags, labels, trademarks and so on. Coated paper is made of coated base paper after coating and decorative processing. Its surface is smooth and fine. It is coated with two sides and one side. The paper is divided into light and matte (matte) coated paper. Common coated paper is divided into various thickness specifications from 105 grams per square meter to 350 grams per square meter. In coated paper sales, the size of a single sheet of paper is generally divided into large size (889mm) × 1194mm), moderate (787mm) × 1092mm) two sizes.

## Application introduction of Coated Paper

?.Supermarket supply chain enterprises (bar code machines, POS distribution enterprises)

Under normal circumstances, products must have bar code identification for sales, settlement and statistics. As a commodity supplier, barcode information is usually attached to its commodities. At present, most manufacturers have printed standard bar code information on the ex factory packaging of goods, which is very convenient for circulation. However, there are still many supply enterprises (mostly distribution enterprises) that need to make bar code labels. Including: coverage of original barcode of imported goods, change of original label, label of scattered goods, etc.

?.Retail monopoly enterprise

The main demand is the commodity price information label, which aims to change the commodity price frequently, especially suitable for clothing, footwear, clothing, gifts etc.

?.On site production commodity enterprise

The main demand is the commodity price information label, which is especially suitable for cake shops, bakeries, food processing enterprises etc.

?.Logistics transportation enterprise

Each piece of goods needs an independent label code. At present, handwritten labels are mostly used. Due to various reasons, the content can not be easily recognized, resulting in errors in the transportation process. The position machine shall be updated and labeled.

?.Enterprises and institutions

It can be used as folder label, internal number of office machine, internal number of other items, letter address, etc.