



HSY series Water-based varnish

【Product description】

- ❖ Water is the main medium. This series of products have the characteristics of environmental protection, non-toxic and low VOC emission. Use it to increase the gloss, abrasion resistance, or provide special effects of paper printing.
- ❖ According to gloss, it can be divided into high gloss water-based varnish, general water-based varnish and water-based matt varnish to meet customers' needs for different gloss
- ❖ According to the product type, it can be divided into water-based varnish, water-based UV primer and water-based calendaring varnish.
- ❖ With waterproof varnish, poking card varnish, temperature resistant varnish, water-based varnish and other special water-based varnishes.

【Specifications】

- ❖ Appearance: Milky white ~ Milky yellow liquid
- ❖ Viscosity: 12~150 Second (Flow cup-4, 25°C)
- ❖ pH Value: 6.5~8.5 (pH paper)

【Main components】

- ❖ Styrene acrylic emulsion
- ❖ Waterborne resin
- ❖ Additives
- ❖ Water

【application area】

Food packaging, books, calendars, medicine boxes, cartons, and other paper polishing

【User's guidance】

- ❖ Applied either in-line with lithographic printing or off-line processes.
- ❖ Directly applied, or use water only below 5% (wt %) or IPA: water (1:1) to reduce viscosity.
- ❖ In order to improve drying rate, increase the number of lamp and wind power in drying tunnel. The temperature of drying tunnel suggested to be 80~135°C.



- ❖ Recommended consumed: dry coat is 4~6 g/m², if more consumed, the rub resistance and gloss would be better.
- ❖ Use water or 1% ammonia to wash machine.

【Packing and Storage】

- ❖ Package and packing specification: plastic bucket, net weight 20kg, 50kg, 150kg.
- ❖ Storage conditions and shelf life: above 0 °C (product does not freeze), below 37 °C, 6~12 months.

【Precautions】

- ❖ Used up in time when opening the cover. If cannot, sealed and stored it.
- ❖ In case of shutdown, please clean the rubber blanket of the polishing machine in time to prevent it from being difficult to clean after the water and oil are dry and crusted.
- ❖ Due to different substrates and product processes, please test the adaptability of the product according to your specific requirements before use

【Disclaimer】

This specification is in accordance with the actual production and test results, whether the product could meet your process requirements depends on application conditions and printed material. We recommend the users to assess if the product can meet all their requirements before production. Since we cannot predict or control your printing condition, the product performance cannot be guaranteed all sales are subjected to the standard terms and conditions of the sales control division.