

## Technical Data Sheet HS-520

### Product description

HONGSHI HS-520 is water-based, low viscosity emulsion of Vinyl Acetate and Ethylene (VAE), no organic solvent, plasticizer, formaldehyde and APEO to be added during production process, therefore the emulsion of HS-520 has pleasant odor, is an eco-friendly waterborne adhesive.

### Product property

- HS-520 has good water resistance and wet bonding strength, fits for a variety of smooth or porous substrates, such as paper, cardboard, cotton, foam, wood and PVC film.
- HS-520 has a low initial viscosity and good permeability to porous substrates.
- HS-520 has good compatibility with other water-based emulsions, such as polyurethane, acrylate and butyl benzene, can mix with them for use.
- HS-520 can maintain high stability in different pH ranges.

### Technical data

Property	Method	Result
Appearance	Visual	Milk white liquid
Solid content	GB/T 27573	54.5~56.5%
Viscosity (4# 20rpm 25°C)	GB/T 27573	1500~3500 mPa.s
pH	GB/T 27573	4.0~6.0
Tg	Hongshi method	Approx. 0°C

### Application

HS-520 can be used as an adhesive in the following areas:

- Packaging and paper bonding adhesive
- Fabric lamination, shoe making and leather application
- Soft film laminated composite, vacuum suction plastic
- Woodworking adhesive

## VAE Emulsion

### Storage

- The suitable storage temperature for HS-520 is 5~37°C.
- If HS-520 is not used up after opening, the opening must be sealed as soon as possible to avoid emulsion crusting due to drying.
- HS-520 has a shelf life of 6 months when unopened and stored under appropriate conditions.
- After long-term storage of HS-520, recommend stirring it before use.
- Since the pH of this product is acidic, it is not suitable to store HS-520 with iron container equipment directly. It is recommended to use stainless steel, ceramic, plastic and other material containers for storage.

### Packaging

- ISO Tank
- Flexible Tank
- IBC tank
- 220Kg Drum
- 50Kg PE Drum

### Transportation

Ensure complete and sealed packaging during transportation to prevent microbial and crusting risk.

*This information is based on the description of the product and its current knowledge of the product in consideration of the need for safe use. But these data do not serve as a guarantee for some specific application scenarios. It is the responsibility of the product user to ensure that the formulation is suitable for the purpose of its use. Hongshi is not responsible for any risk arising from such information. At the same time, according to the needs of product development and technological progress, Hongshi will reserve the right to update the product data. (06-2023)*