HN-QB2522

Technical Data Sheet

Hydroxyl-functional styrene-acrylic dispersion / Two-component waterborne industrial coatings, floor coatings, wood coatings and other high-appearance protective coatings / TDS

01 Product Description

Hydroxyl content on solids: 2.2%. HN-QB2522 is a high-solids, medium-hydroxyl styrene-acrylic dispersion offering high stability, gloss, fullness, long open time and good cost efficiency. After full crosslinking, it provides high hardness, good flexibility, water resistance and chemical resistance. It has good compatibility and mixing dispersibility with both hydrophilic and hydrophobic aliphatic polyisocyanate hardeners and can produce a smooth, high-gloss, full film in a properly formulated system.

02 Recommended Applications

- Two-component waterborne industrial coatings.
- Floor coatings.
- Wood coatings.
- Other high-appearance protective coatings.

03 Technical Data

Item	Specification
Appearance	Slightly blue translucent dispersion
Solid Content	50.0 +/- 1.0%
Viscosity (Brookfield, 25 deg C)	100-1000 mPa.s
pH	2.0-4.0
Hydroxyl Content on Solids	2.2 +/- 0.1%
Hydroxyl Value on Solids	Approx. 72.6 +/- 3 mg KOH/g
Acid Value on Solids	<= 2 mg KOH/g
Stability in 2% CaCl2 Aqueous Solution	Pass
Neutralization Guidance	The dispersion is stable under acidic and alkaline conditions. Neutralizing above pH 7 improves flash-rust resistance, while acidic conditions can improve adhesion to difficult metal substrates.

04 Packaging, Storage and Transportation

- Standard packages: 200 kg, 50 kg or 25 kg drums, or customized packaging as agreed.
- Store in a ventilated, dry warehouse and avoid direct sunlight.
- Recommended storage and transportation temperature: 5-30°C.
- Shelf life is six months; product may still be used after inspection if no abnormal change is found.

Safety: Water-based, non-flammable dispersion. In case of contact with eyes or skin, rinse immediately with plenty of water.