HN-QB2518

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: 1.8%. HN-QB2518 is a high-solids, low-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. Both water-dispersible and validated hydrophobic polyisocyanate hardeners may be used.

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	2.5-4.0
Hydroxyl Content on Solids	1.8 +/- 0.1%
Hydroxyl Value on Solids	Approx. 59.4 +/- 3 mg KOH/g
Acid Value on Solids	<= 2 mg KOH/g
Stability in 2% CaCl2 Aqueous Solution	Pass
Neutralization Guidance	Neutralization is optional and does not affect dispersion stability. AMP-95, DMEA or a validated inorganic base is preferred; avoid high residual free-amine levels.

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.