



SOUCOOL® NF-100

Nano Anti-cracking Slurry

Technical Data Sheet

CHINA · SHANGHAI

SOUCOOL® NF-100 Nano Anti-cracking Slurry

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Product Performance

SOUCOOL® NF-100 Nano Anti-sedimentation and Anti-cracking Slurry is a 100% natural nanofiber material without chemical modification. As a multifunctional bio-based additive, it boasts excellent suspension and anti-sedimentation properties, along with the ability to uniformly disperse solid pigments and fillers. Its unique nanofiber structure also endows it with outstanding anti-cracking performance. When applied in architectural coatings, it can reduce the dosage of titanium dioxide while improving whiteness and hiding power; its good film-forming property enhances scrub resistance; as a water-insoluble nanofiber, it has excellent water resistance; and its ultra-fine nanofiber structure does not affect the appearance of the coating film.

It can be used in electroless cooling coatings and various water-based coatings to improve anti-sedimentation and anti-cracking performance, while also enhancing other properties of the coatings.

Product Features

1. Excellent anti-cracking performance.
2. Outstanding suspension and anti-sedimentation properties.
3. Fully bio-based material, green and low-carbon;
4. Water-based, zero VOC, odorless, safe and environmentally friendly;
5. Good film-forming performance, capable of improving the scrub resistance of coatings;
6. Compared with other anti-cracking fibers, it delivers a flatter and finer coating appearance;
7. Can improve the hiding power and whiteness of coatings, reducing the dosage of titanium dioxide;
8. Has excellent water resistance compared with other thickeners;
9. Can be directly pumped for convenient use.

Technical Requirements

- Appearance: White hydrogel
- Viscosity (1% solid content, 3#/60RPM, 25°C): > 500 mPas
- pH Value (1% solid content): 6.0-9.0
- Solid Content: 3±0.5%

Usage Instructions

Adequate dispersion of SOUCOOL® NF-100 Nano Anti-sedimentation and Anti-cracking Slurry is crucial for maximizing its functions. Therefore, it is recommended to subject it to high-speed dispersion for 15~30 minutes before use to form a uniform white suspension with a certain viscosity. It should be added as early as possible during production and

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subjected to high-shear dispersion together with other fillers and pigments, which can disperse and stabilize pigments and fillers at low viscosity and prevent sedimentation. NF-100 can be compounded with other water-based thickeners for synergistic thickening. The dosage can be adjusted according to thickening and anti-cracking requirements, with a recommended addition amount of 5-20%.

Avoid direct eye contact. It is recommended to use protective equipment such as gloves, masks, and goggles.

Packaging & Storage

Store at room temperature, avoid freezing and icing, with a shelf life of 24 months. Please cover the container in a timely manner after opening for sampling to prevent water evaporation. It is recommended to use up the product within 3 months after opening the package. Due to the good film-forming property of the nano anti-cracking slurry, film formation at the outer package seal after opening is a normal phenomenon and can be removed directly.