Polyamide wax powder

F830

Characteristics and Benefits:

F830 is a specially modified polyamide wax powder, mainly used as a thixotropic agent for heavy-duty anti-corrosion coatings. It can completely disperse in the coating system and can swell and form a strong network structure upon appropriate heating, effectively establishing thixotropic viscosity. This excellent thixotropic property can enhance the anti-sagging and anti-sagging performance of the coating. Compared to conventional low-temperature activated wax powder, F830 has a shorter activation time and higher activation efficiency, making it an activatable low-temperature activated wax powder.

1. 100% active polyamide wax powder, thus offering high cost-effectiveness.
2. No need for pre-gelation, can be directly added to the coating system.
3. Has excellent thixotropic properties, providing better anti-sagging and anti-sagging effects.
4. The dispersibility is not affected by temperature and can perform well within a wide temperature range.
5. Compared to hydrogenated castor oil, the risk of adhesion and interlayer peeling is extremely low.

Product parameters：

Appearance	White powder
Composition	Special polyamide wax
Effective active substance	100%
Particle size (μm)	Max. 10
Capillary melting point (℃)	115-125
Acid value (mgKOH/g)	Max.5

The color of the powder varies slightly depending on the batch of raw materials. It ranges from white to light yellow, but it has no impact on the quality of the product.

Application fields:

It is widely used in various synthetic resin coatings, especially epoxy coatings, chlorinated rubber coatings, and heavy-duty anti-corrosion coatings such as alkyd and polyurethane coatings. The performance is even better when used with polar solvents.

Recommended dosage:

0.5 - 2.0% of the total weight of the system

Usage method:

It can be added at any stage of production. It is recommended to add it at the beginning stage of the production process to ensure sufficient time for wetting and activation. It is recommended to use processing equipment with strong shear force (such as sand mills, grinders, or high-speed dispersers, etc.). The F830 requires specific processing temperatures and times to achieve optimal performance. During the pigment grinding stage, the system receives sufficient shear force, and the temperature increase during the grinding stage also helps with the dispersion activation of F830 and achieving optimal performance. It is recommended to set the dispersion processing temperature at 50 - 70℃. In polar solvent systems, the activation effect is also better at lower temperatures. In systems with less polar solvents, it is necessary to activate at a higher temperature. In addition, when the dispersion temperature cannot be increased, adding 1 - 2% isopropyl alcohol can promote the swelling of F830.

Packaging:

15kg kraft paper bags.