



广州格凌新材料股份有限公司
Guangzhou Green New Materials Co., Ltd.

Self-adhesive bonding varnish for silicon steel core plates

Product Description

FS7350 is a self-adhesive bonding varnish as well as a specialty insulation paint for silicon steel core plates. It is a water-based epoxy system that consists of epoxy resin, specialty curing agent, water, etc. This system offers unique characteristics of low odor, excellent bond strength, and rapid curing speed. The first stage of the paint drying only exhibits pre-curing, and the fully dried silicon steel core plates can be stored for several months even to several years at room temperature.

Features

- Adhesion & insulation paint for silicon steel core plates
- Waterborne epoxy resin-based system
- Provide gel time of 5-30 minutes under temperature of 150-220 °C

Typical Applications

For the dry adhesively bonding of magnet core sheets. The coated sheets or punching may be bonded together under heat and pressure. Therefore, a rivet joint or a welding of the magnetic cores is not necessary, which reduces inter-lamellar loss. The bonded cores show optimal thermal conductivity, no hum noise, and do not breathe at temperature changes, thus interlaminar corrosion is avoided.

In addition to the function of bonding, FS7350 serves as inter-lamellar insulation. For larger machines it is recommended to pre-coat one side with FS7350 fully cured and then to apply the coating in B-stage in order to receive an active coating for the bonding process. This procedure counteracts a possible force through of steel surface elevations during the bonding process and so increases interlaminar insulation.

Storage

FS7350 should be stored in a dry place, in its sealed original container, at temperatures between 10°C - 25°C. Under these storage conditions the shelf life is 6 months from date of manufacture. The product should not be exposed to direct sunlight, warming up to over 30°C or extreme frost below -15°C have to be avoided.

Package

1000kg/IBC tank, 20kg/drum