

StressGrade

Composition

The paint consists of mixture of semi conducting filler in a specially modified phenolic resin.

Properties

Non-linear voltage-current characteristics make it suitable for end corona protection for high voltage rotating electrical machine. The paint can be applied on the high voltage stator coil / bar using brush. The required properties are achieved when the paint attains complete dry condition.

Application

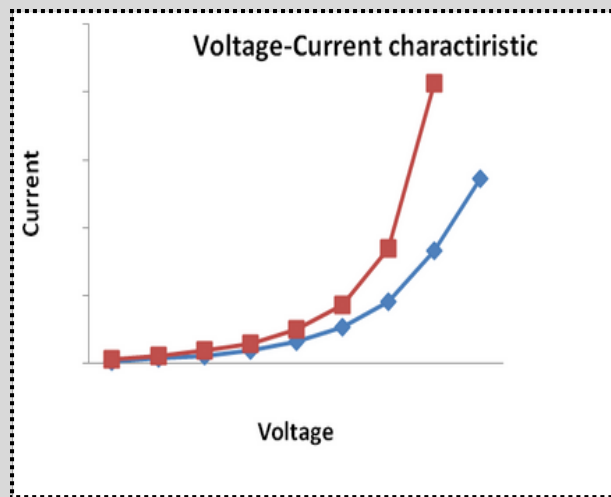
The Paint can be used for Resin rich/Resin poor insulation systems as voltage gradient on the overhang part of high voltage coils/ bars for HV machines. Thin & uniform coating should be applied by brush. In case of multiple coating, at least 30 minutes time gap to be allowed for drying of previous layer.

Processing

The paint must be stirred & mixed thoroughly before application as it contains heavy particles having tendency to quickly settle down. If necessary, MEK or other compatible solvent can be used as thinner to get required consistency of paint during its application. The paint must be stored sealed original containers in controlled atmosphere.

Product Data

Properties	Unit	Value
Solid content	%	65 ± 5
Density	g /cm ³	approx.1.50
Drying time at R/T- Surface dry	Minutes	30
Drying time at R/T- Complete dry	Hr.	10
Flash point	°C	≥ 15
Thermal class	°C	155
Viscosity at R/T-B4 Cup	Sec	100 ± 5



Availability

In metal containers 1 kg & 5 kg

Shelf life

Minimum 12 months at ≤ 25°C in sealed container.

Disclaimer: All information given here is based on currently available facts and on the results of experiments performed with all due care in our laboratories. It does not in any way reduce the responsibility of the user for carrying out further tests in order to ensure successful processing and use in specific applications.