



- TECHNICAL DATA SHEET -

## SYNTHITE AC-32 CLEAR AIR DRYING VARNISH

### DESCRIPTION

SYNTHITE AC-32 is a modified alkyd varnish having the following outstanding properties:

- Fast solvent release.
- Fast air-drying.
- Good penetration.
- Good bond strength.
- Good acids and alkalis resistance.

### **Recommended uses**

AC-32 is suitable for the impregnation of stators, coils and transformers.

### CHARACTERISTICS

<b>Physical properties</b>	
Color	clear, yellow-orange
Specific gravity at 25°C	900±50 g/l.
Viscosity in Ford Cup n.4 at 25°C	14-18"
Drying-time on copper	60'
Corrosive effects on copper	none
Flash Point	+19°C

<b>Electrical Properties</b>	
Dielectric Strength	1500 volts/0,025 mm

<b>Chemical Resistances</b>	
Water	Good
Acid (10% Sulphuric Acid)	Good
Alkali (1% Sodium Hydroxide)	Good
Salt Water	Good
Mineral Oil, ASTM D-115-55	Passed

### APPLICATION

SYNTHITE AC-32 may be applied by dipping or spraying. When necessary, it can be diluted further. It air-dries in 2-8 hours, according to the unit size. To accelerate the drying time and improve the chemical resistances it can be baked in the oven for 3-4 hours at 80°C or 1-2 hours at 120°C.

SYNTHITE AC-32 has a low viscosity that grants a good penetration in any size of winding.



## **GENERAL PROPERTIES**

### **Compatibility with magnet wire coatings.**

SYNTHITE AC-32 is compatible with the following magnet wire coatings:

Polyvinyl formal	Plain enamel	Polyurethane-Polyamide
Polyamide	Polyurethane	Polyvinyl Formal-Polyamide
Polyester	Epoxy	Textile
Polymide	Amide-Imide	Polyester Amide-Imide

## **STORAGE AND STABILITY**

Store in a cool dry place (max 30°C) away from direct sunlight. Protect from moisture and humidity.

Shelf life is 24 months when stored in closed original container at max 30°C.

Being an air-drying varnish (that cures through oxygen absorption), it is recommended to keep the dipping tank covered.

## **HANDLING PRECAUTIONS**

SYNTHITE AC-32 must be intended for industrial/professional use only. Please refer to safety data sheet for any further detail.

Warning: All the information and application instructions concerning this product are based on technical specifications that we consider reliable, and are provided by way of example, according to our application experience. They do not establish any guarantee but only represent a starting point subject to alterations, according to the application and the kind of material to be treated. Before the product's use the utilizer must determine the suitability for the intended use undertaking all risks and responsibility for whatever may happen in connection with the application. The producer and/or seller will not be considered responsible for any accident, loss or damage (immediate or consequent) originating from the use and/or the inability to use the concerned product. Albesiano Sisa Vernici srl reserves the right to change or modify at any time and without any notice the technical specifications of the product described in this data sheet.

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