



Technical data sheet SYNTHITE AC-41-LV (clear air drying varnish 160°C)

DESCRIPTION

SYNTHITE AC-41-LV is a high temperature, ready-to-use insulating varnish that dries very quickly to a tough, clear, chemically resistant film. SYNTHITE AC-41-LV is an excellent coating for all types of electrical and electronic devices, and is also recommended as a circuit board coating. SYNTHITE AC-41-LV provides an extraordinary abrasion resistance, and excellent chemical and moisture protection. It has the following outstanding properties:

- Fast drying – Units can be handled in 30 minutes.
- Easy application – It can be applied by dip, brush or spray.
- Suitable for Class F applications.
- Superior abrasion resistance.
- Excellent adhesion to most surfaces.

CHARACTERISTICS

Physical properties

Color	clear
Specific gravity at 25°C	900±20 gr./lt.
Viscosity in Ford Cup n.4 at 25°C	14-18"
Viscosity in ISO Cup n° 5 at 25°C	20-30"
Build Up, D.F.T. (ASTM D-115)	mm. 0.060 / 0,075
Air Drying-time on a copper strip, ASTM D-115 – Set to touch	10 '
Air Drying-time on a copper strip, ASTM D-115 – Tack-free	1 hour
Corrosive effects on copper	none

Electrical Properties

Dielectric Strength, dry	2.000 volts/0,025 mm
Dielectric Strength, after 24h. dipping into water	1.200 volts/0,025 mm

Chemical Resistance

Water	Excellent
Acid (10% Sulfuric Acid)	Excellent
Alkali (1% Sodium Hydroxide)	Excellent
Salt Water	Excellent
Mineral Oil (ASTM D-115-55)	Passed



SISTEMA DI GESTIONE
QUALITA'
UNI EN ISO 9001:2000
CERTIFICATO DA CERTIQUALITY

APPLICATION

SYNTHITE AC-41-LV may be applied by brushing, dipping or spraying.

The film thickness should not be over 30-40 μ in order to allow a complete solvent release and a proper cure. SYNTHITE AC-41-LV dries at room temp. and can be handled in 30 minutes.

For maximum chemical and abrasion resistance, allow to air dry for some days.

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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