



- TECHNICAL DATA SHEET -

SYNTHITE EG-43/698-D GRAY INSULATOR
180°C (Gray insulating protective enamel)

DESCRIPTION

SYNTHITE EG-43/698-D Gray Insulator (class H) is a fast drying protective insulating enamel that forms a tough and flexible film with excellent moisture and chemical protection. It has the following outstanding properties:

- Very fast air drying
- Excellent chemical resistance
- Hard, smooth, abrasion resistant film
- Excellent adhesion
- Thermal class H - 180°C.
- Water-proof and oil-proof enamel

CHARACTERISTICS

Physical properties

Color	gray
Specific gravity at 25°C	1100±50 g/l.
Viscosity in Ford Cup n. 4 at 25°C	120-150"
Build up, D.F.T. (ASTM D-115-55)	mm.0,075 / 0,100
Thinner	Dolph's T-200
Air Drying time (on a copper plate)	Set to touch: 60'
Corrosive effects on copper	None

Electrical Properties

Dielectric Strength (dry)	2000 Volts/mm.0,025
Dielectric Strength (after 24h. dipping into water)	1200 Volts/mm.0,025

Chemical resistance

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



APPLICATION

SYNTHITE EG-43/698-D Gray Insulator dries very quickly to a uniform, glossy finish that gives a superior abrasion resistance and an excellent adhesion to most surfaces.

It is suitable as a protective coating for stator coils, transformer coils, armature coils, bus bars, field coils, control coils, commutator ends, collector rings, oil reservoir interiors, switch bases, porcelain, molded bakelite, solenoid coils, motor frames and so on.

SYNTHITE EG-43/698-D as supplied is suitable for application by brush. For spraying application, it must be thinned with 15% about of Dolph's T-200 thinner.

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 user 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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