COTOCABLE

TECHNICAL SHEET

ANTIFLASH 505

✓ Included in File UL E339591
✓ Anti sparks isolation
✓ Temperature resistant
✓ Good Thermal Conductivity

2 COMPONENT ELECTRO-ENAMEL
THERMAL CLASS: H (180°C)
AIR DRYING

FIELD OF APPLICATION

ANTI-FLASH 505 electro-enamel is a chemical epoxy anti-flash with two components which, once mixed, cures at room temperature. They form a hard adherent and shiny red coating, incorporating a mineral content that provides good thermal conductivity.

- **As an anti-flash product:** To protect coils against sparks which may be produced between the collector and the coil, or between the collector and the motor's metal casing.
- **As a protection product:** To protect coils or surfaces that are exposed to damp (marine motors), or subject to chemical vapours and in aggressive environments in general.

Coils protected by ANTI-FLASH 505 present a smooth surface, where water, dust and metallic particles cannot penetrate. A motor treated with ANTI-FLASH 505 will offer greater operational safety.

INSTRUCTIONS FOR USE

Mix the ANTI-FLASH with the HARDENER in a weight proportion of 100/30. In continuation apply using a brush to the outside of the coils and the inside of the motor frame. It can also be used on any metal surface that needs to be insulated and protected against damp. It can be applied with spray-gun, after being suitably thinned.

Touch dryness occurs after 60–90 minutes, full in depth hardness after 48 hours. ANTI-FLASH 505 cures as a result of a chemical reaction. It does not require oven drying. Anyway, if a faster drying is needed, there is no problem to apply the electro-enamel meanwhile the coils are hot (80°C). The pot-life of the mix is approximately 24 hours, and thus it is advisable to make up mix quantities that can be used during one working day.

TECHNICAL DATA

PROPERTY	**ANTIFLASH 505**	**HARDENER 505**
Viscosity Cup Ford nº 4 at 20°C (s)	45 ± 5	30 ± 5
Solids (%)	61 ± 2	50 ± 2
Colour	Red (RAL 3011)	—
Weight Ratio	100 / 30	—
Pot Life (h)	24	—
Drying time on plate (min)	90	—
Total drying time at 20°C (h)	48	—
Breakdown Voltage 0.01 mm Natural State in copper plate (V)	1300	—
Thermal Class	H (180°C)	—

A normal application of the product can get 0.04 mm of coat thickness; that is the minimum layer recommended to achieve optimal properties.

If a reduction of the viscosity is required, our **DILUYENTE F5** should be used.