

## ANTIFLASH 214 SR, air drying, thermal class F-180°C



### PRODUCT DESCRIPTION

The electro-enamel ANTIFLASH 214 SR is elaborated with modified silicon resins and red inorganic pigments. It must be applied in materials submits at unfavorable conditions, elevated temperatures, aggressive products and fumes, humidity, tropicalization, etc.

### APPLICATION

Red electro-enamel is more appropriate for thermal class "H" electric material. In fact, this type of material can work continuously at 180°C and it can admit peaks of higher temperature. Must be known that always in insulation thermal class H don't use normal organic isolates for e.g.: cotton, silk, fatty varnishes, etc. Only must be use resistant materials at elevated temperatures for e.g. : fiber, glass weave, mica, etc.

### HOW TO USE

As usual, it is applied with paintbrush above external coil parts or in the interior motor's metal casing. It can also be sprayed on after being suitable diluted. This electro-enamel polymerized at room temperature. Nevertheless, if maximum thermal properties are required, the varnish has to be cure in the oven (120-130°C). If you require faster drying, the windings can be painted and introduced in the oven (80°C). It is recommended to mix the product before its application because the electro-enamel contains mineral fillers. To reduce the viscosity we recommended to use DILUYENTE F-5.

### PHYSICAL SPECIFICATIONS

|  |   |
|--|---|
| Colour. ....                               | Red (RAL 3011)                          |
| Density at 20°C (g/cm <sup>3</sup> ).....  | 1.04                                    |
| Viscosity Cup Ford N° 4 at 20°C (s) .....  | 45±10                                   |
| Solids (%).....                            | 50±5                                    |
| Thermal Class .....                        | H (180°C)                               |
| Final Layer .....                          | Shiny, adherent, flexible and very hard |
| Storage Stability at 20°C .....            | 12 months                               |
| Drying time (on plate) at 20°C (min) ..... | 15                                      |
| Drying time depth (min) .....              | 60-90                                   |

### DIELECTRIC PROPERTIES

Dielectric perforation (on a copper plate) per film thickness of 0.01mm

|   |       |
|---|-------|
| NATURAL STATE .....                       | 930 V |
| After 8 days to air (90 % humidity) ..... | 810 V |
| After 8 days in distilled water .....     | 770 V |
| Thermal resistance .....                  | 180°C |

### PACKAGES

The product is available in 5L, 25L packaging. Available under customer's order in larger packages.