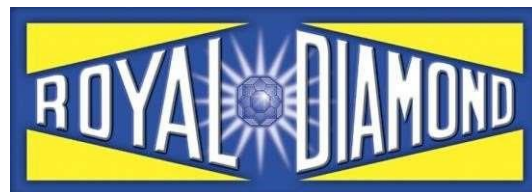


## ROYALAC AQ 7002, oven drying, thermal class F-155°C



### PRODUCT DESCRIPTION

ROYALAC AQ 7002 is an oven dry impregnating water based varnish manufactured with thermosetting synthetic resins. Almost odourless, good stability, high bond strength, good adhesion and good compatibility with enamel wire and other insulators are its most important characteristics.

### APPLICATION

Coils and transformers impregnation.

### HOW TO USE

We recommend pre-heating the pieces at 50°C before the impregnation to make easier the varnish introduction inside the coils, especially when thin enamel wire is used. Impregnation has to be done until the air bubbles disappear and then drain the piece. Polymerisation: After draining, heat the piece to 95°C approx. (under boiling point) for an hour. Subsequently increase the temperature from 95°C to 140°C for 3-4 hours depending on the size of the piece. If maximum performance is required, one additional hour at 160°C is necessary.

### PHYSICAL SPECIFICATIONS

	25%	50%
Colour .....	colorless .....	colorless
Density at 20 ° C (g / cm3) .....	1.01 .....	1.02
Viscosity at 20 ° C (sec) .....	Ford Cup N ° 2 - 35 ± 5 .....	40 ± 5 - Ford N Cup ° 4
Solids (%) .....	25 ± 2 .....	50 ± 2
pH .....	8.5 .....	8.5
Flash point .....	56 .....	56
Thermal class .....	F (155°C).	

### DIELECTRIC PROPERTIES

Dielectric breakdown on copper plate by film thickness of 0.01mm .... 900V

Dielectric breakdown on copper plate by film thickness of 0.02mm .... 2500V

### PACKAGES

The product is available in 25L packaging. Available at customer's request in larger packaging.