

# Varnish

## Damicoat® 2407-02 Red

- ▶ Modified Alkyd based varnish
- ▶ High temperature resistance
- ▶ Usable on Class H electrical equipment
- ▶ Resistant to moisture, chemicals and transformer oil
- ▶ Excellent behaviour in mould, tropical conditions
- ▶ Good adherence on any impregnating resins including Silicone

### General description

Base : Modified red pigmented Alkyd varnish  
Usable on Class H low and high voltage electrical equipment.

### Application

Coating of impregnated windings as additional protection against dirt and moisture. e.g.  
· Impregnated windings  
· Housings and laminations

### Processing

Damicoat 2407-02 can be applied with a spray gun, brush or using the quick dip process. The viscosity can be adjusted according to the application using solvent 9114.

Drying of the varnish in thin layer : 20 - 40 micro.m.  
- tack free at 23°C : 1 - 2 hours  
- can be handled at 23°C : 3- 4 hours  
A post curing is advised at 70 - 100°C during 1 hour minimum.  
Over-coating ability after drying at 23°C : 1 day.

### Packaging

1, 5, 20 kg cans,  
200 kg drums.

### Storage Conditions

Stored at maximum 25°C, the shelf life is 12 months. Higher temperature can be reached during short period of time.  
Pigmented varnishes tend to settle and require stirring before use.  
To prevent a skin forming and loss of solvent, the container must be closed immediately after use.

### Health and safety

· Avoid any contact with skin and eyes,  
· Work in a well ventilated area, far from any flame,  
· Wear safety gloves and goggles.

Refer to the Material Safety Data Sheet for complete information.

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**2407-02 Red**

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		Value	Test norm
<b>Physical properties</b>			
Colour		Rouge	
Density at 20°C	g/cm <sup>3</sup>	1,080 ± 0,015	
Flash point	°C	≥25	Pensky-Martens Closed Cup
Solid content	%	45 ± 3	
Diluent		Damidil 9114	
Viscosity at 20°C	s	160 ± 40	AFNOR 4
<b>Electrical properties</b>			
Dielectric strength (50% R.H./ 23°C)	kV/mm	≥90	IEC 243-1
Dielectric strength, 90°C in oil, perpendicular	kV/mm	≥100	
Dielectric strength after 96 h storage in water at 23°C	kV/mm	≥60	IEC 243-1
<b>Chemical properties</b>			
Mould resistance		Very satisfactory	ISO 846-B