



## TECHNICAL INFORMATION SHEET

# ESCORT - 205 R

## INSULATING VARNISH ( RED )

### Technical Data :

Isophthalic alkyd anti-tracking, air drying pigmented ESCORT - 205 R formulated specifically for finish coating of high temperature windings and components. Can also be used as a primary ESCORT - 205 R on small coils and transformers where impregnation with storing varnish is not desired.

TYPE	:	Air Drying, Pigmented Gloss Finish
APPLICATION	:	Brush, Floor, Spray or Dip
COLOURS	:	Red Oxside Standard Stock Range : Red Oxside, Grey Black. Oxford Blue and White Other colours available as Limited stock of "special make" items.
VISCOSITY AS SUPPLIED	:	130 – 150 Secs. Type B-4 Flow Cup BS 1733 Type. AT 21°C
RECOMMENDED SPRAYING VISCOSITY	:	70 – 80 Secs
THINNERS	:	ESCORT X 2 or standard solvent Compatible with varnishes.
SPECIFIC GRAVITY	:	0.98 TO 1.07 depending on color.
DRYING TIME	:	Tough Dry : 30 minutes Hard Dry : 60 minutes
FLASH POINT RANGE	:	22°C - 32°C
CONVERING POWER	:	17 sg. Yds / litre at film Thickness at 0.001"
BREAKDOWN VOLTAGE	:	Test Temperature 20°C 90°C Volts / Mil 1000 800 Volts / Micrometre 39.4 31.6



BDV AFTER 24 HOURS IN	:	Volts / Mil	400
		Volts / Micrometre	15.8
COMPARATIVE TRACKING INDEX	:	180	
RESISTANCE TO	:	Alkali	Very Good
		Acids	Very Good
		Solvent	Very Good
		Transformer Oil	Very Good

General Properties :

- Pigmented isophthalic alkyd specifically formulated to give durable chemical resistant finish with excellent electrical insulation properties.
- Complies with BS 2757 and I.E.C 85.
- Rapid air drying in thin film but can be stored up to 80 °C.
- Continuous working up to 155°C ( Class F ).
- Compatible with most insulation systems.
- Tough, Flexible anti tracking, finish, resistant to oil and moisture.
- Can be supplied with the addition of fungicide (subject to minimum ordering quantities) for use on components operating under tropical conditions.

Typical Applications :

- Air drying finish for coils, windings, insulating boards, mouldings, bus bars etc.
- For finishing all type of impregnated windings where extra protection or improved appearance is required.
- Ideally suited for painting interior metalworks on rotating equipment etc. The Red Oxide versions being especially suited for use on slip rings and commutators.

Application Methods : Application by brush, dip, floor or spray

Health and Safety :

- Good habits and practice for storage, handling and use of varnishes should be followed.
- Spray application is not recommended when fungicide is added. Ensure tins are closed when material not in use.