

DOLPH INSULATING

varnishes



Morgan Industrial Carbon is the exclusive authorised agent for *John C. Dolph* products within Australasia.

Since 1910, the *John C Dolph* company has been a powerful world leader of insulating varnishes, resins, epoxies, potting and encapsulating compounds, and conformal coatings for the electrical and electronics industries.

Our range of products optimise the quality of electrical apparatus and electronic components by providing protection against both normal and extraordinary wear and tear as well as extreme environments. From spacecraft to submarines, trucks to luxury cars, circuit boards to control panels, power tools to kitchen appliances, *Dolph* products protect equipment and keep current moving..!

Used throughout industry, our markets include;

- Electric motor rewinders
- Transformer and motor manufacturers
- Steel industry
- Open cut coal mining

Contact **Morgan Industrial Carbon** for all your *Dolph* requirements.....



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Dolph product application chart

| | DOLPH-SPRAY | PRODUCT FEATURES | COLOR | THERMAL CLASS IEEC 57 | DIELECTRIC STRENGTH Volts/Mil ASTM D115 | | DRY TIME @ 73°F | |
|-------------------------------|-----------------------------|--|-------------------|-----------------------|---|------|-----------------|-----------|
| | | | | | DRY | WET | SET TO TOUCH | TACK FREE |
| INSULATORS | AC-41 | Clear, high temperature, flexible chemical-resistant coating: excellent for circuit boards; oil and moisture resistant. | Clear Amber | 155°C | 2000 | 1200 | 10 min. | 30 min. |
| | AC-46 | Fast-drying, moisture and fungus resistant varnish for printed circuit boards and electrical components. Conforms to MIL V-173. Has UV tracer, maintains anti-fungal and holds moisture properties at high temperatures. | Clear | 155°C | 2000 | 1200 | 10 min. | 30 min. |
| | ER-41 | Extremely flexible varnish for reinsulating electric motors. Fast-drying, excellent adhesion, and outstanding moisture and chemical resistance. | Red | 155°C | 2000 | 1200 | 10 min. | 30 min. |
| | EB-41 | Satin Black version of ER-41. | Satin Black | 155°C | 1800 | 1200 | 10 min. | 30 min. |
| | ER-44 | Low-cost, fast-drying insulator. Excellent coverage and protection; oil and moisture resistant; and excellent adhesion. | Red | 155°C | 2000 | 1200 | 10 min. | 30 min. |
| | LC-705 | Clear varnish allows convenient touch up or insulating of any electrical apparatus. Good corona resistance. Conforms to MIL I-17384 A Type G, Clear. | Clear | 105°C | 1500 | 800 | 10 min. | 30 min. |
| ELECTRICAL MACHINERY LACQUERS | BLUE GRAY | Fast-drying, high-gloss lacquer. Use with electric motor frames, meter boards, control panels, transformer cases, and shop machinery. | Blue Gray | 105°C | 1800 | 1600 | 10 min. | 30 min. |
| | LIGHT GRAY | Fast-drying, high-gloss lacquer. Use with electric motor frames, meter boards, control panels, transformer cases, and shop machinery. | Light Gray | 105°C | 1800 | 1600 | 10 min. | 30 min. |
| | DARK GRAY | Fast-drying, high-gloss lacquer. Use with electric motor frames, meter boards, control panels, transformer cases, and shop machinery. | Dark Gray | 105°C | 1500 | 1400 | 10 min. | 30 min. |
| | GLOSS BLACK | Fast-drying, high-gloss lacquer. Use with meter boards, control panels, and motor frames. | Gloss Black | 105°C | 1800 | 1400 | 10 min. | 30 min. |
| ANTI-CORROSION | LAMINATION AND METAL COATER | This coating prevents rust and corrosion on all metal surfaces. Its low build assures no problems with air gaps. Light orange tint verifies coverage. | Light Orange Tint | 105°C | 2000 | 1200 | 10 min. | 30 min. |



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