SELECTION CHART

IMPREGNATING VARNISHES & RESINS
FORMULATED SPECIFICALLY FOR THE ELECTRICAL AND ELECTRONICS INDUSTRY

Commitment to Quality and Service is basic to our business — from start to finish.

Dolph has always been first with new products and processes for the industry. We take full responsibility for every step in the manufacture of insulating varnishes and resins — backed by the industry’s finest research, customer service, and technical support. Continuous improvement is our philosophy.

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Distribution is another Dolph strength. We have more than 150 locations worldwide. This carefully selected network is renowned for its good service and technical back-up.

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The Dolph family of quality products:
• Solventless Resins
• Air Drying Varnishes
• Baking Varnishes
• Insulating Enamels
• Insulating Lacquers
• Machinery Enamels
• Masking Compounds
• Polyurethanes
• Conformal Coatings
• Plastisols
• Aerosol Products
• VPI Resins
• Epoxy Resins
• Trickle & Roll-Thru Resins
• Wet Winding Resins
• Epoxy Varnishes
• Polyessters
• Polybutadienes

The following selection charts are available:
• DOLPH Insulating Varnishes
• DOLPHON Epoxy Resin
• DOLPH-SPRAY Aerosols
• DOLPHON Resin Kits
• DOLPHON VPI Resins

Authorized Distributor

John C. Dolph Company
320 New Road, P.O. Box 267
Monmouth Junction, NJ 08852-0267
Tel: 732-329-2333 Fax: 732-329-1143
www.johncdolph.com

Also manufactured in:
ENGLAND • ITALY • MEXICO

Professional Memberships
ASTM • EASA • NEMA

5/02
<table>
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<tr>
<th>PRODUCT</th>
<th>PRODUCT FEATURES</th>
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<tbody>
<tr>
<td><strong>HIR-THERM</strong>&lt;br&gt; BC-325</td>
<td>High bond strength, fast-cure gives a mar-proof finish and has low outgassing.</td>
</tr>
<tr>
<td><strong>HIR-THERM</strong>&lt;br&gt; BC-340</td>
<td>Flexible, tough film, high bond strength; especially good for form wound coils; meets MIL-I-24092D.</td>
</tr>
<tr>
<td><strong>HIR-THERM</strong>&lt;br&gt; BC-346-A</td>
<td>High temperature (220°C) varnish: tough, flexible, and QRL and UL recognized; meets MIL-I-24092B. Class 180 for processing at land-based facilities.</td>
</tr>
<tr>
<td><strong>HIR-THERM</strong>&lt;br&gt; BC-350</td>
<td>High bond strength, flexible, polyester varnish; meets MIL-I-24092D.</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; ER-44</td>
<td>Class H epoxy varnish: excellent for hermetic applications (R-22); high bond strength; outstanding moisture and chemical resistance.</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; BB-353</td>
<td>High temperature resistance, glossy black version of BC-364-E with a high appearance.</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; LV-742</td>
<td>Thixotropic; viscosities at 1 RPM and 10 RPM</td>
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<tr>
<td><strong>HIR-THERM</strong>&lt;br&gt; BC-359</td>
<td>Energy-saving, washable, fast cure/low temperature cure varnish: flexible with superior moisture, chemical, and abrasion resistance. Also available in low viscosity, BC-359MS.</td>
</tr>
<tr>
<td><strong>AQUA-THERM</strong>&lt;br&gt; BC-305-1C</td>
<td>Water-based, environmentally-friendly, easy-to-use, fast curing varnish: low viscosity, excellent moisture resistance, flexible.</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; CC-1105-HTC</td>
<td>Solventless high flush, unsaturated polyester, extra high bond strength, fast cure; minimum clean-up. Resists refrigerants (R-123, R-134A, R-22). Bake 6 hours at 325°F for maximum hardening resistance.</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; CC-1133</td>
<td>Solventless, unsaturated polyester varnish: high bond strength, good with duty cycle and flux.</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; CC-1141</td>
<td>Unique epoxy modified resin: dip and bake or VR; excellent electrical properties &amp; moisture resistance; good with hermets (from 22 resistants).</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; CC-1305</td>
<td>Solventless, unsaturated polyester resin; high bond strength, outstanding sound resistance and excellent electrical properties.</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; CC-1309</td>
<td>Solventless, high-flush, unsaturated polyester: nonflammable, flexible, higher bond and low emissions.</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; CC-1322</td>
<td>Thixotropic, solventless, high-flush, unsaturated polyester varnish: no styrene, vinyl toluene; DAP, no formaldehyde releasing compounds, low emissions, excellent tank liability.</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; CC-1500</td>
<td>Low viscosity, solventless, high-flush, unsaturated polyester: no styrene, vinyl toluene; DAP, no formaldehyde releasing compounds, low emissions, excellent tank liability.</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; CC-1505</td>
<td>Low viscosity, solventless, high-flush, unsaturated polyester: no styrene, vinyl toluene; DAP, no formaldehyde releasing compounds; low emissions, excellent tank liability.</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; CC-1520</td>
<td>Tough, flexible, protective, fast-drying product: moisture, salt spray, and chemical resistant; excellent conformal coating, good adhesion and solderability.</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; CC-1530</td>
<td>Tough, flexible, fast-drying coating, air dry or bake applications; forms no skin, solderable.</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; CC-1540</td>
<td>Fast drying, fungicidal, polyurethane: excellent conformal coating, superior moisture and chemical resistance, has UV tracer, and is available in spray.</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; CC-1550</td>
<td>Excellent, fast-drying waterproof coating for deflection yokes, RF coils, PC boards, etc. Fast curing. (spray available).</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; CC-1560</td>
<td>Tough, flexible, and high-build green insulator: excellent conformal coating; can replace tape wrap; ideal for auto starter field coils.</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; CC-1600</td>
<td>Class F Insulator: Red, tough, flexible, and fast drying; abrasion, chemical and moisture resistant film; solderable (spray available).</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; CC-1610</td>
<td>Same as CC-41 with satin black finish (spray available).</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; CC-1620</td>
<td>Red, flexible, low cost, fast drying, chemical and moisture resistant film.</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; CC-1630</td>
<td>Molding compound for finished metal surfaces during application and baking of varnishes and compounds. Use for commutators, shafts, flanges, gears &amp; screw threads, etc.</td>
</tr>
<tr>
<td><strong>DOLPHON</strong>&lt;br&gt; CC-1640</td>
<td>Class F imid/thermosealing compound; paste consistency, works well with vertical surfaces and irregular parts; good adhesion, low outgassing, UL recognized.</td>
</tr>
</tbody>
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**Registered Trademarks**

- HIR-HERM 
- DOLPHON 
- SYNTHITE 

The recommendations, test results and suggestions are offered herein as a guide in the selection of these materials and are not a guarantee of performance and service. The company has no control over the use to which others may put the product. Data sheets are available for each of these materials and it is recommended they be consulted before a final selection is made.

The above properties are typical values and are not intended for specification use.
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