POLYESTER RESINS

Polyester resins are hygroscopic (they draw moisture from the air). There are two types of resin, and one or both types may be required, depending on the application. Type "A" resin has a small amount of wax in it, which comes to the surface and forms a barrier against moisture. This permits the resin to cure completely and the surface is hard and easily sanded. Bond Coat "B" resin does not have any wax content. As a result the surface stays a little tacky, as the surface cure is being inhibited by moisture. This tacky surface provides excellent adhesion between coats. Bond Coat resin is therefore recommended for the first coat of resin to fill the weave of the glass cloth, for bonding fiberglass cloth to plywood or other surfaces and for multi-layers of glass cloth.

TYPE "A" RESIN - #1520-5 is a general purpose ortho surfacing resin intended for the finishing coat applied over the Bond Coat #1063-5, or for single coat application. A second coat may be applied after full cure and thorough sanding but is not recommended.

Polyester Resin #692 Quart: P/N 01-00346 $23.85
1 Gal. #25ST-20 with 4 Oz. Catalyst P/N 01-00347 $78.65
5 Gal. #25ST-4 with 4 Oz. Catalyst P/N 01-00348 $318.95
Additional catalyst may be required. 1 Oz. P/N 01-06900 $3.80

TYPE "B" RESIN - #25ST-20 is a general purpose bond coat ortho resin for use in making multi laminates. It will not cure to a high gloss finish. Use 1520-5 for finish coat to obtain smooth, hard gloss finish. Replaces #1063-5.

1 Gal. #25ST-20 with 4 Oz. Catalyst P/N 01-00349 $50.45
5 Gal. #25ST-20 with 4 Oz. Catalyst P/N 01-00350 $214.95
Additional catalyst may be required.

Same catalyst used for #1520-5 and #25ST-20.

Use: Type "B" finish coating over #25ST-20 but not usually over Type "A" with Type "B" over #1520-5.

Above resins are not for use in making fuel tanks. For fuel tanks (except those for gasohol) use #6065-5 Isofluric Resin.

Gallon (128 Oz.)

L285 Resin (.25 gal/1 qt.) P/N 01-41100 $33.90
L287 Resin (.25 gal/1 qt.) P/N 01-41105 $31.50
L285 Hardener (.225 gal/0.9 qt.) P/N 01-41000 $36.95
L287 Hardener (.225 gal/0.9 qt.) P/N 01-41005 $33.75

MEKP NORAC CATALYST

MEKP Norac Catalyst is the catalyst added to polyester resins to improve the adherance between the resins. As the catalyst mixes with the resin, a chemical reaction occurs, creating heat which cures the resin. Use approx. 1/2 oz per quart of resin. We recommend the use of our MEKP Catalyst Dispenser for accurate measuring and pouring of catalyst.2 oz. P/N 01-01119 $4.95

System 285 (Max. Tg 105 C - 110 C 195 F - 230 F)

Mixing ratio of resin/hardner Pot life Mixed Viscosity @ 20°C

100:50 by volume H285-F 40 min 1200 cp
100:40 by weight H285-S 4 hours 800 cp

VINYL ESTER RESIN

Dow Chemical’s Derakane 411-350 PA Vinyl Ester Resin is an epoxy-based Vinyl ester designed to provide superior toughness and high corrosion resistance. Many leading kit aircraft manufacturers use vinyl ester resins extensively due to its quality and ease of fabrication. We furnish medium “promoted” vinyl ester 411-350 PA resin which includes CONAP, DMA: the resin is cured by adding the MEKP which is furnished with the kit. Gel times vary according to the amount of MEKP added and the ambient temperature. Shelf life of promoted vinyl ester resin is only 10 days from production.

MEDIUM PROMOTED: Includes CONAP, DMA and other additives. Add MEKP for complete cure:

Catalyst Concentration Resin Quantity

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Quart</th>
<th>Gallon</th>
<th>5 Gallon</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2%</td>
<td>1/16 oz.</td>
<td>2/3 oz.</td>
<td>1-3/4 oz.</td>
</tr>
<tr>
<td>3/4%</td>
<td>1/8 oz.</td>
<td>1 oz.</td>
<td>5 oz.</td>
</tr>
<tr>
<td>1%</td>
<td>1/4 oz.</td>
<td>1-3/4 oz.</td>
<td>6-2/3 oz.</td>
</tr>
<tr>
<td>1-1/2%</td>
<td>1/4 oz.</td>
<td>2 oz.</td>
<td>10 oz.</td>
</tr>
</tbody>
</table>

WARNING: MEKP Catalyst is very dangerous to the eyes. Always wear full protective gear and have running water at hand when working with MEKP.

CATALYST LARGE QUANTITY CHART

CATALYST SMALL QUANTITY CHART

<table>
<thead>
<tr>
<th>Catalyst Concentration</th>
<th>2 oz.</th>
<th>4 oz.</th>
<th>8 oz.</th>
<th>12 oz.</th>
<th>16 oz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2%</td>
<td>9 drops</td>
<td>18 drops</td>
<td>36 drops</td>
<td>1.8 cc</td>
<td>2.5 cc</td>
</tr>
<tr>
<td>3/4%</td>
<td>14 drops</td>
<td>27 drops</td>
<td>54 drops</td>
<td>2.5 cc</td>
<td>3.75 cc</td>
</tr>
<tr>
<td>1%</td>
<td>18 drops</td>
<td>36 drops</td>
<td>72 drops</td>
<td>3.75 cc</td>
<td>5 cc</td>
</tr>
<tr>
<td>1-1/2%</td>
<td>27 drops</td>
<td>54 drops</td>
<td>108 drops</td>
<td>6 cc</td>
<td>8 cc</td>
</tr>
<tr>
<td>2%</td>
<td>36 drops</td>
<td>72 drops</td>
<td>144 drops</td>
<td>6-2/3 cc</td>
<td>10 cc</td>
</tr>
</tbody>
</table>

Note: 20-30 minute pot life at 2% mix ratio.