

## Selection & Specification Data

<b>Generic Type</b>	Two - components, cross-linked epoxy.
<b>Description</b>	Everdeck Topcoat is a high solid, high gloss, high build epoxy topcoat. Recommended for use as a topcoat for self levelling epoxy coating.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Gives a hard and tough film</li> <li>• Better flexibility than most epoxy coatings</li> <li>• Excellent abrasion resistance</li> <li>• Typical applications include hydropower, offshore, chemical processing and other heavy duty industries</li> </ul>
<b>Color</b>	Grey, Yellow and Green
<b>Finish</b>	Gloss (Epoxies lose gloss and chalks in sunlight exposure).
<b>Topcoats</b>	Normally not topcoated. May be topcoated with epoxy, polyurethane or other coatings as recommended by Carboline.
<b>Dry Film Thickness</b>	75 - 250 µm dry film thickness, normally 150 µm.
<b>Wet Film Thickness</b>	100 - 330 µm wet film thickness, normally 200 µm.
<b>Solids Content</b>	By volume: 75 ± 2%
<b>Theoretical Coverage Rate</b>	5,0 m <sup>2</sup> /l at 1500µm Allow for loss in mixing and application.
<b>Dry Temp. Resistance</b>	Continuous: 120°C Non-continuous: 150°C
<b>Submerged Temp. Resistance</b>	Continuous: 40°C Non-continuous: 55°C
<b>Limitations</b>	Not recommended for immersion service in other liquids than water.

## Substrates & Surface Preparation

<b>General</b>	Surface must be clean and dry. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating. Apply over properly prepared steel, concrete or other surfaces as recommended by Carboline.
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## Application Equipment

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

<b>Spray Application (General)</b>	The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.												
<b>Airless Spray</b>	<table> <tr> <td>Pump ratio:</td> <td>30:1 (min.) *</td> </tr> <tr> <td>GMP Output:</td> <td>3.0 (min.)</td> </tr> <tr> <td>Material Hose:</td> <td>3/8" I.D. (min.)</td> </tr> <tr> <td>Tip Size:</td> <td>.017-.021"</td> </tr> <tr> <td>Output PSI:</td> <td>2100-2300</td> </tr> <tr> <td>Filter Size:</td> <td>60 mesh</td> </tr> </table> <p>* Teflon packings are recommended and available from the pump manufacturer. Use 45 : 1 pump ratio for elevated applications and ½" I.D. for hose lengths greater than 60'.</p>	Pump ratio:	30:1 (min.) *	GMP Output:	3.0 (min.)	Material Hose:	3/8" I.D. (min.)	Tip Size:	.017-.021"	Output PSI:	2100-2300	Filter Size:	60 mesh
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<b>Brush &amp; Roller (General)</b>	Multiple coats may be required to obtain desired appearance, recommended dry film thickness and adequate hiding. Avoid excessive re-brushing or re-rolling.												
<b>Brush</b>	Use a medium bristle brush.												
<b>Roller</b>	Use a medium-nap synthetic roller cover with phenolic core.												

## Mixing & Thinning

<b>Mixing</b>	Power mix separately, then add part B to Part A and power mix. DO NOT MIX PARTIAL KITS.
<b>Ratio</b>	1 : 1 (A to B) by volume
<b>Thinning</b>	May be thinned up to 10% with Carboline Thinner #2. Use of thinners other than those supplied by Carboline may adversely affect product performance and void product warranty, whether expressed or implied.
<b>Pot Life</b>	Approx. 3 hours at 24°C and longer at lower temperatures.

## Cleanup & Safety

- Cleanup** Use Carboline Thinner #2 or Acetone. In case of spillage, absorb and dispose of in accordance with local applicable regulations.
- Safety** Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands and all exposed areas.
- Ventilation** When used in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used.
- Caution** This product contains flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with applicable regulations. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

## Application Conditions

Condition	Material	Surface	Ambient	Humidity
Normal	15-30°C	15-30°C	15-30°C	30-90%
Minimum	10°C	5°C	5°C	0%
Maximum	30°C	50°C	45°C	85%

Industry standards are for substrate temperatures to be 3°C above the dew point. Special application techniques may be required above or below normal application conditions.

## Curing Schedule

Surface Temp. & 50% Relative Humidity	Dry to Recoat	Final Cure
5°C	24 Hours	N/R
10°C	12 Hours	14 Days
16°C	8 Hours	10 Days
24°C	4 Hours	5 Days
32°C	2 Hours	3 Days

These times are based on 150 microns dry film thickness. Higher film thickness, insufficient ventilation or cooler temperatures will require longer cure times and could result in solvent entrapment and premature failure.

## Packaging, Handling & Storage

- Kit Standard** Part A 10 litres  
Part B 10 litres
- Storage (General)** Store indoors
- Storage Temperature & Humidity** 5° - 45°C  
0 - 95% relative humidity
- Shelf Life** 24 months at 24°C

## Note

This product shall only be used as a single-coat or in a system with other recommended Carboline products. Otherwise an approval shall be issued by Carboline.

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