

SELECTION & SPECIFICATION DATA

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| Generic Type | Monocomponent Modified Alkyd. |
| Description | Carbocoat 111, quick drying, is a high quality industrial protective coating. It can be applied with conventional air or airless spray systems. |
| Features | <ul style="list-style-type: none">• Fast Dry Properties.• Can be applied down to 4°C (39°F). |
| Color | Various colors. |
| Finish | Gloss |
| Primer | Carbocoat 150 Universal Primer |
| Dry Film Thickness | 40-60 µm |
| Solids Content | By Volume 52% +/- 2% |
| Theoretical Coverage Rate | 20.5 m ² /l at 25 microns (834 ft ² /gal at 1.0 mils) Allow for loss in mixing and application. |
| Dry Temp. Resistance | Continuous: 80°C (176°F) Non-Continuous: 90°C (194°F) |
| Limitations | Do not use for immersion service or in severe chemically environments. |

SUBSTRATES & SURFACE PREPARATION

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| General | Surfaces 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. For all surfaces prime with specific Carboline primer: Carbocoat 150 Universal Primer. Refer to the specific primer's Product Data Sheet for detailed requirements. |
| Galvanized Steel | This product is not recommended for galvanized steel. |

MIXING & THINNING

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| Mixing | Power mix until uniform in consistency. |
| Thinning | Normally not required but may thin as follows: Brush or Roller only may be thinned up to 20% by volume (25 oz/gal approx.) with Thinner #33. Use of thinners other than those supplied or recommended by Carboline may adversely affect product performance and void product warranty, whether expressed or implied. |

APPLICATION EQUIPMENT GUIDELINES

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.

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| General | The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco. |
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Carbocoat 111

PRODUCT DATA SHEET



APPLICATION EQUIPMENT GUIDELINES

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.

- Conventional Spray** | Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, 0.053" I.D. fluid tip and appropriate air cap.

- Airless Spray** | Pump Ratio: 30:1 (min.)*
GPM Output: 3.0 (min.)- 12 liters/min
Material Hose: 3/8" I.D. (min.)
Tip Size: 0.011-0.015"
Output PSI: 2100-2300
Filter Size: 60 mesh

*PTFE packings are recommended and available from the pump manufacturer.

- Brush & Roller (General)** | Avoid excessive re-brushing or re-rolling.
 - Brush** | Use natural medium bristle brush.
 - Roller** | Use a short-nap with phenolic core.

APPLICATION CONDITIONS

| Condition | Material | Surface | Ambient | Humidity |
|-----------|--------------|--------------|--------------|----------|
| Minimum | 4°C (39°F) | 4°C (39°F) | 4°C (39°F) | 0% |
| Maximum | 49°C (120°F) | 49°C (120°F) | 49°C (120°F) | 85% |

Do not apply when the surface temperature is less than 3°C (5°F) above the DEW- POINT. Special application techniques may be required above or below normal application conditions. Sufficient airflow is critical to ensure proper cure of the coating.

CURING SCHEDULE

| Surface Temp. | Dry to Touch | Dry to Recoat Minimum | Dry to Handle |
|---------------|--------------|-----------------------|---------------|
| 24°C (75°F) | 15 Minutes | 8 Hours | 2 Hours |

These times are based on 40 µm DFT - 50% R.H. Higher film thickness, insufficient ventilation or cooler temperatures will require longer cure times and could result in solvent entrapment and premature failure. Excessive humidity or condensation on the surface during curing can interfere with the cure, can cause discoloration and may result in a surface haze.

CLEANUP & SAFETY

- Cleanup** | Use Thinner#2. 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 SDS 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.

CLEANUP & SAFETY

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| 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. User should test and monitor exposure levels to insure all personnel are below guidelines. If not sure or if not able to monitor levels, use MSHA/NIOSH approved supplied air respirator. |
| 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 the National Electric Code. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes. |

PACKAGING, HANDLING & STORAGE

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| Shelf Life | 12 months at 24 °C (75 °F) |
| Storage Temperature & Humidity | 4-38 °C (39-100°F) 0-90 % HR |
| Flash Point (Setaflash) | Carbocoat 111: 25°C (77°F) |
| Storage | Store Indoors. |
| Packaging | Carbocoat 111: 10 liters |

WARRANTY

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