

## SELECTION & SPECIFICATION DATA

<b>Description</b>	Polyamide epoxy finish topcoat
<b>Features</b>	<ul style="list-style-type: none"> <li>• Fast dry for quick turn-around</li> <li>• Can be colored with all RAL colors</li> <li>• Semi-gloss</li> <li>• Flexible</li> <li>• Good hiding properties</li> <li>• Superior adhesion properties (Refer to Performance Tests)</li> </ul>
<b>Color</b>	Various
<b>Finish</b>	Semi-Gloss
<b>Solid(s) Content</b>	%64±4
<b>Theoretical Coverage Rates</b>	60 micron DFT = 7.59 m2/kg 150 micron DFT = 3.03 m2/ kg
<b>VOC Value(s)</b>	321-350 ±3 g/l
<b>Dry Temp. Resistance</b>	Continuous: 93°C (199°F) Non-Continuous: 121°C (250°F)  *A slight color change may be observed at temperatures above 65 °C.

## SUBSTRATES & SURFACE PREPARATION

<b>General</b>	Surfaces should be cleaned as per SSPC SP-1 standard to remove all oil, grease, rust, dust, dirt and other chemical contaminants. Mechanical defects like protrusions, weld spatter, delamination and other fabrication defects should be corrected in accordance to ISO 8501-3 by hand and power tools.
<b>Steel</b>	All surfaces should be cleaned to min Sa 2 (depends on the project and exposure) levels in accordance to ISO 8501-1. For a better performance, direct-to-metal application is not recommended. Prefer Carboline Epoxy Primers
<b>Galvanized Steel</b>	Following the sanding process, Carboline Galoseal is applied. It is recommended to apply the product after Carboline Galoseal has dried. (Avoid high thicknesses!)

## PERFORMANCE DATA

**All test data was generated under laboratory conditions. Field testing results may vary.**

Test Method	System	Results
Adhesion (ASTM D4541)	Sa 2½ grade and 40-75 micron surface profile 6mm cold rolled steel panel, 150 µm DFT	20,7 MPa @150 µm DFT

## MIXING & THINNING

<b>Thinning</b>	After thorough mixing, Thinner #2 can be used. For air spray use %15-25, for airless spray use max. %10 thinner if needed.
-----------------	--

# Multi-Gard 22-6500

## PRODUCT DATA SHEET



### MIXING & THINNING

**Ratio** | Comp. A: 10 Units (by weight)  
Comp. B: 1 Units (by weight)

**Pot Life** | 5 hours (23°C)

### 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.

- Spray Gun** | Can be applied with 0.015 - 0.017" airless spray tip having 40-80° or gravity or suction type air spray having 1.5 to 1.8 tip size.
- Brush** | Can be used for small areas or stripe-coating. For uniform desired thickness, use equal pressure strokes at the same direction. May require multiple coats.
- Roller** | Can be used for small areas or stripe-coating. For uniform desired thickness, use equal pressure strokes at the same direction. May require multiple coats.

### APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	5°C (41°F)	5°C (41°F)	5°C (41°F)	0%
Maximum	35°C (95°F)	35°C (95°F)	35°C (95°F)	80%

**IMPORTANT:** During application, surface temperature should be 3°C above dew point.

### DRYING SCHEDULE

Surface Temp.	Tack Free Surface	Dry to Touch	Dry Hard	Maximum Recoat
23°C (73°F)	1.5 Hours	4 Hours	8 Hours	6 Months

These times are based on the recommended dry film thicknesses. Higher film thickness, insufficient ventilation, high humidity or cooler temperatures will require longer cure times. Film must appear (feel) dry before topcoating. High humidity, high film thickness, insufficient ventilation or cooler temperatures will lengthen the Dry to Touch and Dry to Topcoat times due to slower water evaporation rate.

### PACKAGING, HANDLING & STORAGE

**Shelf Life** | 12 months @24°C  
12 months @24°C  
  
\* When stored under recommended storage conditions and in original unopened packaging

**Shipping Weight (Approximate)** | 1 kit Net weight: 27.5 kg (Gross weight: 29.5 kg)  
Comp. A: Net weight: 25 kg (Gross weight: 26.5 kg)  
Comp. B: Net weight: 2.5 kg (Gross weight: 3 kg)

**Storage Temperature & Humidity** | 4°-43°C ambient temperature and % 0-95 relative humidity

**Flash Point (Setaflash)** | Comp. A: 4 °C  
Comp. B: 4 °C

---

## **PACKAGING, HANDLING & STORAGE**

---

**Storage** | Store indoor with no direct sunlight coming.

## **WARRANTY**

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated.