

SELECTION & SPECIFICATION DATA

Generic Type	Two-component siloxane modified multipolymer
Description	Carboxane 2000 Topcoat is an advanced topcoat with outstanding gloss and color retention for exterior exposures. Provides a high gloss surface and can be used where polyurethane coatings is not desired.
Features	<ul style="list-style-type: none"> • Exceptional weatherability • Especially used where polyurethane coatings are not desired • Long life performance • Isocyanate free • Excellent abrasion resistance • Excellent for use in chemical industry, offshore, ships, bridges, hydropower and other heavy industry
Color	Available in most RAL colours. Can be tinted by RTS Colour System. Certain colours may require multiple coats to hide.
Finish	High Gloss
Wet Film Thickness	95 - 190 µm per coat, normally 95 µm
Dry Film Thickness	75 - 150 microns (2.95 - 5.9 mils) per coat Normally 75 µm
Solid(s) Content	By volume: 80 ± 2%
Theoretical Coverage Rates	10,7 m ² /l at 75 µm Allow for loss in mixing and application
VOC Value(s)	As Supplied: 110 g/l (0,918 lbs/gal) mixed These are nominal values and may vary with color.
Dry Temp. Resistance	Continuous: 150°C (302°F) Non-Continuous: 170°C (338°F)
Limitations	Not recommended for immersion service
Topcoats	Normally none, but can be overcoated with most polyurethanes and epoxies, or others as recommended
Density	1.18 g/cm ³ depending on color

SUBSTRATES & SURFACE PREPARATION

General	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
Previously Painted Surfaces	Can be applied over previously painted surfaces that still adheres well to the substrate, including organic and inorganic zink primers.
Primed Surfaces	Apply over clean, dry primers or intermediate coats as recommended by Carboline

Carboxane 2000 Topcoat

PRODUCT DATA SHEET



MIXING & THINNING

Mixing	Power mix part A and part B separately, then combine and power mix.
Thinning	May be thinned up to 15% with Carboline Thinner #10. Use of thinners other than those supplied or recommended by Carboline may adversely affect product performance and void product warranty, whether expressed or implied.
Ratio	2 : 1 Ratio (A to B) by volume
Pot Life	4 Hours at 23° C and less at higher temperatures. Pot life ends when coating becomes too viscous to use. This product is moisture sensitive. Avoid moisture contamination.

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.

Airless Spray	Tip Size: 0.013" - 0.019" Pressure: 150 kg/cm ² (2000 PSI)
Brush & Roller (General)	Can be used on smaller areas and touch-up

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	5°C (41°F)	2°C (36°F)	2°C (36°F)	20%
Maximum	30°C (86°F)	50°C (122°F)	50°C (122°F)	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.	Dry to Touch	Dry to Recoat	Final Cure
2°C (36°F)	6 Hours	14 Hours	15 Days
10°C (50°F)	4 Hours	10 Hours	10 Days
15°C (59°F)	2.5 Hours	6 Hours	8 Days
25°C (77°F)	1.5 Hours	3 Hours	5 Days

These times are based on 75 µm DFT. Higher film thickness, insufficient ventilation or cooler temperatures will require longer cure times and could result in solvent entrapment and premature failure

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.

CLEANUP & SAFETY

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 nonferrous tools and wear conductive and nonsparking shoes.

PACKAGING, HANDLING & STORAGE

Shelf Life | 24 months at 24°C

Storage Temperature & Humidity | 5 - 45°C
0 - 95% relative humidity

Storage | Store indoors

Packaging | Part A: 13,3 litres
Part B: 6,7 litres

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.