CARBO-KIT Carboxane 2000 Topcoat

PRODUCT DATA SHEET

SELECTION & SPECIFICATION DATA

Generic Type	Two-componenst siloxane modified multipolymer.
Description	Carbo-Kit Carboxane 2000 Topcoat is a topcoat with excellent weathering properties. The product is specially designed for application with brush and roller. It is excellent for use at maintenance.
Features	• Designed for brush and roller application for touch up and maintenance • High gloss surface • Often used where polyurethane coatings are not desired. • Excellent for use in chemical industry, offshore, ships, bridges, hydropower and other heavy industry.
Color	Most RAL colours and others upon request.
Finish	High Gloss
Wet Film Thickness	75 – 125 µm per coat.
Dry Film Thickness	60 - 100 microns (2.36 - 3.94 mils) per coat
Solid(s) Content	By volume: 80 ± 2%
Theoretical Coverage Rates	13.3 m²/l at 60 µm 8 m²/l at 100 µm Allow for loss in mixing and application.
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/cm³ 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 (e.g. Carboline thinner #2 or Surface Cleaner no.3).
Steel	Apply over clean, dry primers or intermediate coats as recommended by Carboline.

MIXING & THINNING

Mixing	Power mix part A and part B separately, then combine and power mix.
Thinning	Normally not required. 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

MIXING & THINNING

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.

Brush | Recommended using a medium bristle brush. Typical film thickness will be achieved in one coat.

Roller | Recommended using a short haired roller. Typical film thickness will be achieved in one coat.

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	5°C (41°F)	2°C (36°F)	2°C (36°F)	20%
Maximum	32°C (90°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 Recoat	Final Cure
2°C (36°F)	14 Hours	15 Days
10°C (50°F)	10 Hours	10 Days
15°C (59°F)	6 Hours	8 Days
25°C (77°F)	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 #2 Thinner 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.

PACKAGING, HANDLING & STORAGE

Shelf Life	Part A: 24 months at 24°C Part B: 24 months at 24°C
Storage Temperature & Humidity	5° - 45°C 0 - 95% relative humidity
Storage	Store indoors.
Packaging	Part A: 2 litres Part B: 1 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 to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. Carboline warrants our products to be free of manufacturing defects in accord with applicable Carboline quality control procedures. THIS WARRANTY IS NOT VALID WHEN THE PRODUCT IS NOT: (1) APPLIED IN ACCORDANCE WITH CARBOLINE'S SPECIFICATIONS, AND/OR (2) PROPERLY STORED, CURED, AND USED UNDER NORMAL OPERATING CONDITIONS. Carboline assumes no responsibility for coverage, performance, injuries, or damages resulting from use of the product. If this product is found not to perform as specified upon inspection by a Carboline representative during the warranty period, Carboline's sole obligation, if any, is to replace the Carboline product(s) proven to be defective or refund the purchase price thereof, at Carboline's sole option. Carboline shall not be liable for any other losses or damages. This warranty excludes (1) labor and costs of labor for the application or removal of any product, and (2) any incidental or consequential damages, whether based on breach of express or implied warranty, negligence, strict liability or any other legal theory. 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. The whole text of this Product Data Sheet, as well as the documents derived from it, have been written in English, and for legal purposes the English version shall prevail.