Carbocrylic 1295 HS

PRODUCT DATA SHEET

SELECTION & SPECIFICATION DATA

Generic Type	Two-Component High Solids Acrylic Epoxy Finish
Description	Carbocrylic is a high solids topcoat with good weathering capabilities. Offers a glossy, smooth, hard finish that is easy cleanable. One coat application capable.
Features	• Offers excellent corrosion and weathering protection. • NORSOK Approved for offshore • Recommended for chemical industry, offshore, power and heavy industry.
Color	Vestal White (1864), Light Gray (C705), Medium Gray (C703), Machine Gray (0754) Custom colors available by request.
Finish	Gloss (70-85)
Topcoat	Normally not topcoated
Dry Film Thickness	51 - 152 microns (2 - 6 mils) per coat
Solids Content	By Volume 64% +/- 2%
Theoretical Coverage Rate	25.2 m²/l at 25 microns (1027 ft²/gal at 1.0 mils) 12.6 m²/l at 50 microns (513 ft²/gal at 2.0 mils) 4.2 m²/l at 150 microns (171 ft²/gal at 6.0 mils) Allow for loss in mixing and application.
VOC Values	**As Supplied** : 2.8 lbs/gal (336 g/l)
Dry Temp. Resistance	Continuous: 121°C (250°F) Non-Continuous: 149°C (300°F)
Limitations	Not recommended for immersion service.
Topcoats	Normally not topcoated

SUBSTRATES & SURFACE PREPARATION

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.
Steel	Apply over clean, dry primers, or intermediate coats as recommended.
Concrete	Apply over clean, dry primers, or intermediate coats as recommended.

MIXING & THINNING

Mixing	Power mix separately, then combine and power mix.
Thinning	Contact Carboline Technical Service. Use of thinners other than those supplied or recommended by Carboline may adversely affect product warranty whether expressed or implied.
Ratio	7:1 Ratio (A to B) by volume
Pot Life	3 Hours @ 75°F

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 Equipment

The following spray equipment has been found suitable and is available from manufacturers such as WIWA®.

Airless Spray

- Pump Ratio: 30:1
- GPM Output 3.0 (minimum)
- Material Hose: 3/8" I.D. (minimum)
- Tip Size: 0.013"-0.017"
- Output PSI: 2100-2200
- Filter Size: 60 Mesh

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

Brush & Roller (General)

Brush and roller recommended for small areas only.

*WIWA is a registered trademark of WIWA LP.

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	10°C (50°F)	4°C (40°F)	4°C (40°F)	0%
Maximum	35°C (95°F)	54°C (130°F)	49°C (120°F)	85%

Industry standards are for substrate temperatures to be 5°F (3°C) above the dew point. This product simply requires the substrate temperature to be above the dew point.

CURING SCHEDULE

Surface Temp.	Dry to Recoat	Final Cure
4°C (40°F)	48 Hours	72 Hours
16°C (60°F)	20 Hours	36 Hours
24°C (75°F)	12 Hours	30 Hours
29°C (85°F)	8 Hours	16 Hours

These times are based on a 3.0 (75 micron) dry film thickness.

CLEANUP & SAFETY

Cleanup

Use 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.

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.

CLEANUP & SAFETY

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

Shelf Life	24 months at 75 °F
Storage Temperature & Humidity	40-120 °F 0-95% RH
Flash Point (Pensky Martens Closed Cup)	1295 HS Part A 81°F (27°C) 1295 HS Part B 61°F (16°C)
Storage	Store Indoors
Packaging	Small Kit Part A: 0.875 gal (11 lbs.) Part B: 0.125 gal (1.3 lbs.) Large Kit Part A: 4.375 gal (56 lbs) Part B: 0.625 gal (6 lbs)

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.