

SELECTION & SPECIFICATION DATA

Generic Type	Aliphatic Polyaspartic
Description	<p>This fast cure high build polyaspartic coating provides excellent corrosion protection as well as long term weatherability in just one coat. It can be applied direct to metal (DTM) at 150 to 250 microns dry film thickness (DFT) to eliminate the need for typical primers and/or intermediate coats. This significantly speeds up the painting process, saves labour, and saves money without sacrificing performance.</p> <p>If even better corrosion protection is desired it can be applied over our time proven Carbozinc or Carboguard primers.</p>
Features	<ul style="list-style-type: none"> • • Fast cure speeds the painting process • • High build, 150 to 250µm DFT per coat • • Excellent corrosion protection • • Meets ISO 12944-6 C3 High, one coat applied DTM • • Saves significant time, labor and money • • Excellent weathering • • Exceeds SSPC Coating Specification No. 39 Level 3A, highest level for aliphatic polyurea • • Exceeds SSPC Coating Specification No. 36 Level 3A, highest level for aliphatic polyurethane • • Very good flexibility and elongation • • Excellent abrasion and impact resistance • • Excellent wetting and adhesion • • Extremely durable to help provide long service life • • Low VOC and low HAPS • • Suitable for use in USDA inspected facilities • • Indefinite recoatability
Colour	<p>White, Black, Blue Grey N53, Golden Yellow, also available in most British Standard, AS2700, Resene colours and custom tints.</p> <p>Please refer to your local representative for further information.</p>
Gloss	High Gloss
Primer	<p>Self-priming, DTM (Direct To Metal) for many applications.</p> <p>For more severe service use with one of the following approved Carboline primers: Carbozinc 11 Series; Carbozinc 859EZ2; Carbozinc 858; Carboguard 635; Carboguard 636; Carboguard 504; Carboguard 690;</p> <p>Contact Carboline for further recommendations and system options.</p>
Dry Film Thickness	<p>150 - 250 microns DFT per coat.</p> <p>Can be applied at 100-125 microns DFT when applied over approved primer(s).</p>
Solids Content	70% +/- 2% by volume
Theoretical Coverage Rates	<p>5.6 m²/l at 125 microns 4.6 m²/l at 150 microns 2.8 m²/l at 250 microns</p> <p>Allow for losses in mixing and application.</p>
HAPs Values	<p>8 grams/litre.</p> <p>This value may vary by colour.</p>
VOC Value(s)	As Supplied: 246 g/litre (2.05 lbs/gal)

Carboquick 200

PRODUCT DATA SHEET



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Dry Temp. Resistance	Continuous: 121°C Non-Continuous: 149°C Discoloration may occur at temperatures approaching 93°C.
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SUBSTRATES & SURFACE PREPARATION

General	Remove all contaminants in accordance with SSPC-SP 1.
Steel	Minimum surface preparation: Commercial Blast Clean per SSPC-SP6 / AS1627.4 Class 2 with a 50-75 micron anchor profile For optimum performance abrasive blast to SSPC SP10 / AS1627.4 Class 2½ with a 50-75 micron anchor pattern.
Galvanized Steel	Galvanizing requires a roughened surface for optimum adhesion/performance of subsequent coatings. Remove any contaminants per SSPC SP1 / AS 1627.1; ensure there are no chemical treatments that may interfere with adhesion. Coarsely abrade (80 grit) or sweep abrasive blast the surface to achieve a surface profile between 25 - 50 microns. Cleaned and abraded galvanizing should be coated immediately after preparation.

MIXING & THINNING

Mixing	Power mix Part A to achieve an homogenous condition. Add Part B while still mixing and power mix thoroughly.. Re-seal any remaining Part B immediately after use.
Thinning	Not normally required. May be reduced up to 5% v/v with the following: Thinner #76 or Thinner #2. For warmer temperatures use Thinner #25. Use of thinners other than those supplied or recommended by Carboline may adversely effect product performance and void product warranty, whether expressed or implied.
Ratio	2:1 (Part A to Part B)
Pot Life	1½ hours at 24°C, (75°F) and less at higher temperatures. Pot life ends when the coating becomes too viscous to use. Moisture contamination will shorten pot life and cause gellation.

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 Application	This is a high solids coating and it may require adjustments in spray techniques. Wet film thickness is easily and quickly achieved. The following spray equipment has been found suitable:
Conventional Spray	Pressure pot equipped with dual regulators, minimum 3/8" I.D. material hose, 1.6 to 1.8mm (0.070") I.D. fluid tip and appropriate air cap.

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Airless Spray	<ul style="list-style-type: none"> • • Pump Ratio: 30:1 (min.) • • Volume Output: minimum 9.5 l/min. • • Airless Hose: 3/8" I.D. (min.) • • Tip Size: 0.013-0.017" • • Output PSI: 1,700-2,300 • • Filter Size: 60 mesh • • PTFE packings are recommended and available from the pump manufacturer.
Brush & Roller (General)	<p>Recommended for small areas or touch-up only. Multiple coats may be required to obtain desired appearance, recommended dry film thickness and adequate hiding. Avoid excessive re-brushing or re-rolling. For best results, tie-in within 10 minutes at 24°C.</p>

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	4°C (39°F)	2°C (36°F)	2°C (36°F)	10%
Maximum	32°C (90°F)	60°C (140°F)	45°C (113°F)	95%

CURING SCHEDULE

Surface Temp.	Dry to Handle	Final Cure	Dry to Touch
2°C (36°F)	17 Hours	7 Days	3 Hours
4°C (39°F)	16 Hours	7 Days	2.5 Hours
10°C (50°F)	7 Hours	7 Days	2 Hours
24°C (75°F)	1.5 Hours	4 Hours	30 Minutes
32°C (90°F)	60 Minutes	2 Hours	30 Minutes

CLEANUP & SAFETY

Cleanup	Use Thinner #2 or #25 or Acetone. In case of spillage, 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 and use personal protective equipment as directed.
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 able to monitor levels, use MSHA/NIOSH approved supplied air respirator.

PACKAGING, HANDLING & STORAGE

Shelf Life	<ul style="list-style-type: none"> • • Part A: Minimum 24 months at 24°C • • Part B: Minimum 24 months at 24°C • *Shelf life: keep at recommended storage conditions and in original unopened containers.
Shipping Weight (Approximate)	9 litre kit: 12.7kg

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PACKAGING, HANDLING & STORAGE

Storage Temperature & Humidity	4 - 43°C, 0-90% Relative Humidity Store indoors
Flash Point (Setaflash)	<ul style="list-style-type: none">• Part A: 5.6°C• Part B: 5.6°C
Storage	Store indoors. This product is solvent based and not affected by brief excursions below these published storage temperatures. Always inspect the product prior to use to make sure it is smooth and homogeneous when properly mixed.

WARRANTY

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