

SELECTION & SPECIFICATION DATA

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| 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, labour 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 • Indefinite recoatability • Successful case history for use as a quick-turn line marking system. Refer to your local representative for further information. |
| Colour | <p>White, Black, N53 Blue Grey, 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, Carboguard 635, Carbozinc 859 EZ2**</p> <p>Contact Carboline for further recommendations and system options.</p> <p>** Strict overnight cure for Carbozinc 859 EZ2 prior to overcoating with Carboquick 200.</p> |
| Film Build | <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 dry 4.6 m²/l at 150 microns dry 2.8 m²/l at 250 microns dry</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> |

Carboquick 200

PRODUCT DATA SHEET



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| VOC Value(s) | As Supplied: 246 g/litre (2.05 lbs/gal) |
| Dry Temp. Resistance | Continuous: 121°C (250°F) Non-Continuous: 149°C (300°F) Discolouration may occur at temperatures approaching 93°C. |

SUBSTRATES & SURFACE PREPARATION

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| General | Remove all contaminants in accordance with SSPC-SP 1. |
| Steel | Minimum surface preparation: Commercial Blast Clean per SSPC-SP 6 / AS 1627.4 Sa 2 with a 50-75 micron anchor profile For optimum performance abrasive blast to SSPC-SP 10 / AS1627.4 Sa 2½ with a 50-75 micron anchor pattern. |
| Galvanised 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

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| Mixing | Power mix Part A to achieve an homogenous condition. Add Part B while still mixing and power mix thoroughly. <u>Re-seal any remaining Part B immediately after use.</u> |
| 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 #214. 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.

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| 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 Touch | Dry to Handle or Recoat | Final Cure |
|---------------|--------------|-------------------------|------------|
| 2°C (36°F) | 3 Hours | 17 Hours | 7 Days |
| 4°C (39°F) | 2.5 Hours | 16 Hours | 7 Days |
| 10°C (50°F) | 2 Hours | 7 Hours | 7 Days |
| 24°C (75°F) | 30 Minutes | 1.5 Hours | 4 Days |
| 32°C (90°F) | 30 Minutes | 1 Hour | 2 Days |

CLEANUP & SAFETY

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| Cleanup | Use Thinner #2, #214, 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 | <p>Contains iso-cyanate. When sprayed may be harmful by inhalation - do not breathe vapour or spray. Wear suitable clothing, gloves, eye and face protection, including suitable breathing protection such as an air supplied respirator or hood.</p> <p>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 vapour 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 suitable approved air-fed respirator.</p> |

Carboquick 200

PRODUCT DATA SHEET



PACKAGING, HANDLING & STORAGE

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| Shelf Life | Part A: 24 months at 24°C Part B: 12 months at 24°C Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers. For products/components exceeding the stated shelf life, contact Technical Services for further advice. |
| Storage Temperature & Humidity | 4 - 43°C 0-90% Relative Humidity Store indoors |
| Flash Point (Setaflash) | • Part A: 5.6°C • Part B: 5.6°C |
| Shipping Weight (Approximate) | 3 litre kit: 4.23kg 9 litre kit: 12.7kg |
| 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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