

Selection & Specification Data

| | | | | | | | |
|----------------------------------|---|----------------------|--|------------|------|----------------|-------|
| Generic Type | High build epoxy mastic with a unique combination of zinc and aluminium. Supplied as a two component kit. | | | | | | |
| Description | This high build zinc filled primer penetrates and encapsulates rust and provides galvanic protection over clean, bare metal. Aluminium platelets form a labyrinth which provides excellent resistance to penetration. Very tolerant to salt contamination over cleanest practical surface, making Carbomastic 96 more suitable for coastal environments. Compatible over most coatings and old paint, is readily topcoated with many generic types. | | | | | | |
| Features | <ul style="list-style-type: none"> - Maintenance primer for corrosive environments over either blasted or hand tool cleaned surfaces - Excellent primer for two coat maintenance systems where minimum downtime is desirable - Excellent for offshore, pulp & paper industries, bridges (both highway and water spanning) and tank farms - Good flexibility - Excellent weathering - Fair abrasion resistance - May be used over most generic types of coatings which are tightly adhering and properly prepared (a test patch is recommended for use over existing coatings) - Not recommended for immersion service in acids, alkalis or solvents | | | | | | |
| Colour | Metallic Grey and Pink | | | | | | |
| Finish | Flat | | | | | | |
| Topcoat | Carbothane 134 or others as recommended by StonCor Africa Technical Service. | | | | | | |
| Dry Film Thickness | 75 to 125 Microns | | | | | | |
| | 75 Microns recommended over ISO 8501 Sa2 commercial blast | | | | | | |
| | 125 Microns recommended over ISO 8501 St2 hand tool cleaned steel | | | | | | |
| Solids Content | By Volume 54% ± 2% | | | | | | |
| Theoretical Coverage Rate | 7.2m ² /litre at 75 microns 4.3m ² /litre at 125 microns | | | | | | |
| | NOTE: Material losses during mixing and application will vary and must be taken into consideration when estimating job requirements. | | | | | | |
| Dry Temp Resistance | <table> <tr> <td>Non-immersion</td> <td></td> </tr> <tr> <td>Continuous</td> <td>82°C</td> </tr> <tr> <td>Non-continuous</td> <td>121°C</td> </tr> </table> | Non-immersion | | Continuous | 82°C | Non-continuous | 121°C |
| Non-immersion | | | | | | | |
| Continuous | 82°C | | | | | | |
| Non-continuous | 121°C | | | | | | |

Substrates & Surface Preparation

| | |
|----------------|---|
| General | Remove any oil or grease from surface to be coated prior to abrasive blast, power or hand tool cleaning. |
| Steel | For severe environments, dry abrasive blast in accordance with ISO 8501 Sa2 commercial blast. Alternatively, for less severe environments, blast in accordance with ISO 8501 Sa1 (brush off blast). |
| | It is acceptable to power tool or hand tool clean mild steel in accordance to ISO 8501 St3. |

November 2016 replaces March 2012

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 StonCor Africa to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to StonCor Africa quality control. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY STONCOR AFRICA, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Carboline® and Carboguard® are registered trademarks of Carboline Company.

Application Equipment

Spray Use sufficient air volume for correct operation of equipment.

Use a 50% overlap with each pass of the gun. On irregular surfaces, coat the edges first, making an extra pass later.

NOTE: The following equipment has been found suitable, however equivalent equipment may be substituted.

Conventional Use 12mm minimum I.D. material hose. Hold gun approximately 300 to 350mm from the surface and at a right angle to the surface.

| Mfr & Gun | Fluid Tip | Air Cap |
|------------------------|-----------------------|---------|
| Binks # 18 or # 62 | 67 | 67PB |
| DeVilbiss P-MBC or JGA | D (Approx. .086 I.D.) | 64 |

Airless Use 10mm minimum I.D. material hose. Hold gun approximately 450 to 500mm from the surface and at a right angle to the surface.

| Mfr & Gun | Pump * |
|-------------------|---------------------|
| Graco 207-300 | Bulldog 30:1 |
| Binks Model 720 | Jupiter B8-36 37:1 |
| DeVilbiss JGB-507 | Huskie QFA-519 32:1 |

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

Use a .021 to .025" tip with 2400 psi (165 Bar).

Brush Use natural bristle brush applying with full strokes. Avoid rebrushing.

Roller Not recommended

Mixing & Thinning

Mixing Power mix separately, then combine and mix.

| | 5 Litre kit |
|--------|-------------|
| Part A | 3 litre |
| Part B | 2 litre |

Thinning Thinning not normally required.

NOTE: Use of thinners other than those supplied or approved by StonCor Africa may adversely affect product performance and void product warranty, whether express or implied.

Ratio May be thinned up to 12% by volume with Thinner # 10 if necessary.

Pot Life 4 Hours at 25°C and less at higher temperatures. Pot life ends when material becomes too viscous to use.

Application Conditions

| Condition | Material | Surface | Ambient | Humidity |
|-----------|----------|---------|---------|----------|
| Normal | 18-29°C | 16-35°C | 16-35°C | 20-75% |
| Minimum | 10°C | 10°C | 10°C | 0% |
| Maximum | 32°C | 45°C | 38°C | 85% |

Special thinning and application techniques may be required above or below normal conditions.

Do not apply when the surface temperature is less than 3°C above the dew point.

Curing Schedule

| Surface Temp. & 50% Relative Humidity | Between Coats | Final Cure |
|---------------------------------------|---------------|------------|
| 16°C | 3 Days | 10 Days |
| 25°C | 24 Hours | 5 Days |
| 32°C | 18 Hours | 3 Days |

Cleanup & Safety

Cleanup Use Thinner # 2 or Xylol

Safety Read and follow all caution statements on this product data sheet and on the material safety data sheet 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 as a tank lining or 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. In addition to ensuring proper ventilation, appropriate respirators must be used by all application personnel.

Packaging, Handling & Storage

| Shipping Weight (Approximate) | | 5 Litre |
|-------------------------------|--|---------|
| Carbomastic 96 | | 10.9kg |
| Thinner # 10 | | 4.9kg |

| Flash Point (Pensky Martens Closed Cup) | | |
|---|--|------|
| Part A | | 12°C |
| Part B | | 26°C |
| Thinner # 10 | | 24°C |

Storage Temperature & Humidity 7 to 43°C
0 to 100%
Store indoors

Shelf Life 12 Months minimum when stored at 25°C

***Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.**



Co. Reg. No.: 1996/01848/07
Tel No: +27 11 254 5500
Website: www.carboline.co.za
E-mail: carboline@carboline.com

November 2016 replaces March 2012

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 StonCor Africa to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to StonCor Africa quality control. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY STONCOR AFRICA, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Carboline® and Carboguard® are registered trademarks of Carboline Company.