

**SELECTION & SPECIFICATION DATA**

<b>Generic Type</b>	Single package non-isocyanate (NISO) vinyl acrylic copolymer
<b>Description</b>	An economical topcoat with good chemical resistance, flexibility and weathering properties. Compatible with a wide range of generic primers and intermediates. Easy to apply and rapid drying. Available in safety and coding colours.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Finishing coat for inorganic zincs, vinyls, epoxies and other recommended primers and intermediates.</li> <li>• Topcoat for Carboclad 938 Vinyl System.</li> <li>• Used for the upgrading of existing coating specifications for structural steel, piping and tank exteriors, etc.</li> <li>• May be used for topcoating of surfaces that operate at moderately hot temperatures up to 149°C.</li> <li>• Can be applied by conventional and airless spray.</li> <li>• May be applied over some single package generic types (a test patch is recommended to evaluate adhesion and compatibility over aged coating systems)</li> <li>• Excellent flexibility</li> <li>• Excellent weathering</li> <li>• Fair abrasion resistance</li> <li>• Not recommended for solvent exposure or immersion service.</li> </ul>
<b>Color</b>	Available in a variety of colours, including safety and coding colours. White and pastel shades may require multiple coats for adequate hiding. Consult your local StonCor Africa Sales or Customer Service Department for availability.
<b>Finish</b>	Medium Gloss
<b>Primer</b>	May be applied over most generic type primers, including inorganic zincs, vinyls and epoxies. A mist coat is recommended over inorganic zincs to minimize bubbling and attain adequate film thickness.
<b>Dry Film Thickness</b>	40 Microns
<b>Solid(s) Content</b>	By Volume 32% ± 2%
<b>Theoretical Coverage Rates</b>	8.0m <sup>2</sup> /litre at 40 microns NOTE: Material losses during mixing and application will vary and must be taken into consideration when estimating job requirements.
<b>Substrates &amp; Compatible Coatings</b>	Properly primed steel surfaces or others as recommended.
<b>Temperature Resistance (Immersion)</b>	Continuous: 149°C Non-continuous: 200°C
<b>Topcoats</b>	Normally none. Light or pastel colours may require two coats for adequate hiding over darker primers or intermediates.

**SUBSTRATES & SURFACE PREPARATION**

<b>General</b>	Remove any oil and grease from surface to be coated.
<b>Steel</b>	Apply over clean, dry, recommended primers.

# Carboclad 938 Finish

## PRODUCT DATA SHEET



### MIXING & THINNING

- Mixer** | Power mix to a smooth consistency before thinning.
- Thinning** | Thin up to 12% by volume with Thinner # 10.  
NOTE: Use of thinners other than those supplied or approved by StonCor Africa may adversely affect product performance and void product warranty, whether expressed or implied.

### 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** | 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. Under certain conditions, when applied over inorganic zinc primers, a mist coat followed by a full coat may be required.

**Conventional Spray** | Use a 10mm minimum I.D. material hose. Hold gun 300 to 350mm from the surface and at a right angle to the surface.  
**Gun:**905 Spray Gun  
**Fluid Tip:**1.8mm  
**Air Cap:**905-PV

**Airless Spray** | Use a 10mm minimum I.D. material hose. Hold gun approximately 450 to 500mm from the surface and at a right angle to the surface.  
**Gun:**TRITECH T360 Spray Gun  
**Pump:**47:1  
  
\* Teflon packings are recommended and are available from pump manufacturer.  
Revers-A-clean tip is recommended.  
Use a .013 to .017" tip with 2000 psi (138 bar)

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

**Roller** | For small areas or touch-up only. Use a short nap roller with phenolic core.

### APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	4°C (39°F)	4°C (39°F)	4°C (39°F)	0%
Maximum	38°C (100°F)	43°C (109°F)	43°C (109°F)	95%
Optimum	24°C (75°F)	25°C (77°F)	24°C (75°F)	45%

Do not apply when the surface temperature is less than 3°C above the dew point.  
Special thinning and application techniques may be required above or below normal conditions.

### CURING SCHEDULE

Surface Temp.	Dry to Handle or Topcoat
4°C (39°F)	24 Hours
16°C (61°F)	8 Hours
25°C (77°F)	4 Hours
32°C (90°F)	2 Hours

## CURING SCHEDULE

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**Curing Details** | Relative Humidity: 50%

## CLEANUP & SAFETY

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**Cleanup** | Thinner # 2

**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.

**Ventilation** | When used in enclosed areas, thorough air circulation must be used during and after application until the coating is cured.

**Caution** | This product contains flammable solvents. Keep away from sparks and open flames.

## PACKAGING, HANDLING & STORAGE

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**Shelf Life** | 24 Months minimum when stored at 25°C  
\*Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.

**Shipping Weight (Approximate)** | **5 Litre:**  
Carboclad 938 Finish: 6.6kg  
Thinner # 10: 4.9kg

**Storage Temperature & Humidity** | 4 to 43°C  
0 to 100%  
Store indoors

**Flash Point (Pensky Martens Closed Cup)** | Carboclad 938 Finish: 20°C  
Thinner # 10: 20°C

## WARRANTY

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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 Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. 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.