

Selection & Specification Data

Generic Type	Single package vinyl copolymer	
Description	Carboclad 938 HB is a high build, low gloss, chemical resistant coating which is easy to apply, fast drying, with good weathering properties.	
Features	<ul style="list-style-type: none"> - As an intermediate coating in the Carboclad 938 Vinyl System to achieve added film thickness - Protection of structural steel, pipe and tank exteriors - Good flexibility - Very good weathering - Good abrasion resistance - Generally applied over Carboclad 938 Primer and may be applied over Carbomastic 15 (a test patch is recommended to check the adhesion to old coatings) - Not recommended for solvent exposure or immersion service 	
Colour	Grey only	
Finish	Flat	
Topcoat	May be topcoated with vinyls, acrylics or others as recommended.	
Dry Film Thickness	75 Microns	
Solids Content	By Volume 38% ± 2%	
Theoretical Coverage Rate	5.1m ² /litre at 75 microns	
	NOTE: Material losses during mixing and application will vary and must be taken into consideration when estimating job requirements.	
Temp Resistance	Continuous	50°C
	Non-continuous	66°C

Substrates & Surface Preparation

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

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 a 10mm minimum I.D. material hose. Hold gun 300 to 350mm from the surface and at a right angle to the surface.

Mfr & Gun	Fluid Tip	Air Cap
Binks # 18 or # 62	66	63PB
DeVilbiss P-MBC or JGA	E (app .070" I.D.)	704

Airless 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.

Mfr & Gun	Pump
DeVilbiss JGN-502	QFA-514 or QFA-519
Graco 205-591	President 30:1 or Bulldog 30:1
Binks Model 700	B5-18 29:1 or B8-36 37:1

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

Use a .017" to .021" tip with 2000 psi (138 bar).

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

Roller Not recommended.

Mixing & Thinning

Mixing 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 Conditions

Condition	Material	Surface	Ambient	Humidity
Normal	16-32°C	18-29°C	13-38°C	10-85%
Minimum	4°C	4°C	4°C	0%
Maximum	38°C	43°C	43°C	95%

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. & 50% Relative Humidity	Dry to Recoat or Handle
4°C	24 Hours
10°C	18 Hours
16°C	10 Hours
25°C	5 Hours
32°C	3 Hours

Cleanup & Safety

Cleanup Use 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

Shipping Weight (Approximate)	Carboclad 938 HB	5 Litre
	Thinner # 10	7.1kg
		4.9kg

Flash Point (Pensky Martens Closed Cup)	Carboclad 938 HB	23°C
	Thinner # 10	24°C

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

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.



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.