

# MEGASEAL™ CF

(also branded as AMERCOAT® 114A)

## DESCRIPTION

Epoxy filler compound

## PRINCIPAL CHARACTERISTICS

- Suitable for use on primed steel or direct to concrete/masonry
- Pit filler / seam sealer for steel
- Filler for bug holes and surface cracks in concrete
- Suitable as a masonry block filler / scratch coat
- Excellent chemical resistance

## BASIC DATA AT 68°F (20°C)

Data for mixed product	
Number of components	Two
Volume solids	100%
VOC (Supplied)	max. 0.0 lb/US gal (approx. 0 g/l)
Theoretical spreading rate	1604 ft <sup>2</sup> /US gal for 1.0 mils (39.4 m <sup>2</sup> /l for 25 µm)
Shelf life	Base: at least 36 months when stored cool and dry Hardener: at least 36 months when stored cool and dry

### Notes:

- Flush with surrounding substrate to fill voids
- See ADDITIONAL DATA – Overcoating intervals
- See ADDITIONAL DATA – Curing time
- 1.33 gallons in a 20-lb kit

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

### Steel

- Abrasive blast to SSPC SP-10 standards. Prepare surface in accordance with application instructions for the specific primer being used.

### Concrete

- Cure concrete a minimum of 14 days and until 80 percent of its physical properties have been attained before applying this product
- Prepare surfaces according to ASTM D4258 (surface cleaning) and either ASTM D4259 (abrading), or ASTM D4260 (acid etching)
- Blow / vacuum cracks and bugholes free of loose particulates



# MEGASEAL™ CF

(also branded as AMERCOAT® 114A)

## **Concrete block**

- Walls must be laid plumb and square with flush joints. Do not rake joints
  - All surfaces must be clean and dry as per ASTM D4261
- 

## **Substrate temperature**

- Surface temperature should be between 50°F (10°C) and 120°F (49°C)
  - The substrate temperature must be at least 5°F (3°C) above dew point
  - Ambient temperature during application and curing should be between 50°F (10°C) and 120°F (49°C)
  - Relative humidity during application and curing should not exceed 85%.
- 

## **SYSTEM SPECIFICATION**

- Primers: Direct to concrete or over epoxy sealer
  - Primers to steel: AMERCOAT 68HS, AMERCOAT 68MCZ, AMERCOAT epoxies, AMERLOCK series
  - Topcoats: AMERCOAT Epoxies, PITTGUARD Epoxies
- 

## **INSTRUCTIONS FOR USE**

### **Mixing ratio by volume: base to hardener 65:35**

- Pre-mix pigmented components with a pneumatic air mixer at moderate speeds to homogenize the container. Add hardener to base and agitate with a power mixer for 1–2 minutes until completely dispersed
  - Scrape sides and bottom occasionally to ensure all contents are incorporated. Mix only full kits
- 

## **Induction time**

None

---

## **Pot life**

2.5 hours at 70°F (21°C)

Note: See ADDITIONAL DATA – Pot life

---

# MEGASEAL™ CF

(also branded as AMERCOAT® 114A)

## Application

- Amercoat 114A can be applied via short nap roller, trowel, putty knives, squeegee, or a combination of these methods. Spread 114A across the surface applying uniform pressure to achieve a smooth finish. Leave only a slight film above the surface plane.
- A rounded trowel can be used to form a cove based of up to 1 inch.
- Amercoat 114A may be used to fill surface voids up to 1" in width or depth.
- Amercoat 114A is not elastomeric and will not bridge dynamic cracks.
- Area should be sheltered from airborne particulates and pollutants.
- Avoid combustion gases or other sources of carbon dioxide that may promote amine blush and ambering of light colors
- Ensure good ventilation during application and curing
- Bulletin #1489 for further information on prevention, detection, and removal of amine blush

## Material temperature

Material temperature during application should be between 50°F (10°C) and 90°F (32°C)

## Cleaning solvent

Amercoat 12 Cleaner (Thinner 90-58) or Amercoat 65 Thinner (Thinner 21-06)

## ADDITIONAL DATA

Overcoating interval for DFT up to 5.0 mils (125 µm)				
Overcoating with...	Interval	50°F (10°C)	70°F (21°C)	90°F (32°C)
solvent-borne coatings	Minimum	36 hours	18 hours	9 hours
	Maximum	30 days	7 days	3 days
solvent-free epoxies	Minimum	6 hours	3 hours	1 hour
	Maximum	6 days	3 days	36 hours

### Notes:

- Dry times are dependent on air and surface temperatures as well as film thickness, ventilation, and relative humidity. Maximum recoating time is highly dependent upon actual surface temperatures – not simply air temperatures. Surface temperatures should be monitored, especially with sun-exposed or otherwise heated surfaces. Higher surface temperatures shorten the maximum recoat window
- Surface must be clean and dry. Any contamination must be identified and removed. A detergent wash with PREP 88 or equivalent is required prior to application of topcoats after 30 days of exposure. However, particular attention must be paid to surfaces exposed to sunlight where chalking may be present. In those situations, a further degree of cleaning may be required. PPG Technical Service can advise on suitable cleaning methods. If maximum recoat/topcoat time is exceeded, then roughen surface.

Curing time for DFT up to 5.0 mils (125 µm )	
Substrate temperature	Dry to handle
50°F (10°C)	36 hours
70°F (21°C)	18 hours
90°F (32°C)	9 hours

Note: Drying times are dependent on air and steel temperature, applied film thickness, ventilation and other environmental conditions



# MEGASEAL™ CF

(also branded as AMERCOAT® 114A)

## Pot life (at application viscosity)

Mixed product temperature	Pot life
50°F (10°C)	4 hours
70°F (21°C)	2.5 hours
90°F (32°C)	1 hour

## Product Qualifications

- Compliant with USDA Incidental Food Contact Requirements
- NFPA Class A for Flame Spread and Smoke Development

## SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets

## WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

## REFERENCES

- |                                                                                |                   |      |
|--------------------------------------------------------------------------------|-------------------|------|
| • CONVERSION TABLES                                                            | INFORMATION SHEET | 1410 |
| • EXPLANATION TO PRODUCT DATA SHEETS                                           | INFORMATION SHEET | 1411 |
| • SAFETY INDICATIONS                                                           | INFORMATION SHEET | 1430 |
| • SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD | INFORMATION SHEET | 1431 |

## WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.



# MEGASEAL™ CF

(also branded as AMERCOAT® 114A)

## LIMITATIONS OF LIABILITY

IN NO EVENT WILL PPG BE LIABLE UNDER ANY THEORY OF RECOVERY (WHETHER BASED ON NEGLIGENCE OF ANY KIND, STRICT LIABILITY OR TORT) FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO, ARISING FROM, OR RESULTING FROM ANY USE MADE OF THE PRODUCT. The information in this sheet is intended for guidance only and is based upon laboratory tests that PPG believes to be reliable. PPG may modify the information contained herein at any time as a result of practical experience and continuous product development. All recommendations or suggestions relating to the use of the PPG product, whether in technical documentation, or in response to a specific inquiry, or otherwise, are based on data, which to the best of PPG's knowledge, is reliable. The product and related information is designed for users having the requisite knowledge and industrial skills in the industry and it is the end-user's responsibility to determine the suitability of the product for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. PPG has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Therefore, PPG does not accept any liability arising from any loss, injury or damage resulting from such use or the contents of this information (unless there are written agreements stating otherwise). Variations in the application environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. This sheet supersedes all previous versions and it is the Buyer's responsibility to ensure that this information is current prior to using the product. Current sheets for all PPG Protective & Marine Coatings Products are maintained at [www.ppgpmc.com](http://www.ppgpmc.com). The English text of this sheet shall prevail over any translation thereof.

Product code	Description
99-11401	White Base
99-11433	Hardener

Note: Packaging: Available in 20 lb. (1.33 gallons) and 3 lb. kits (0.20 gallons)

The PPG logo, and all other PPG marks are property of the PPG group of companies. All other third-party marks are property of their respective owners.

