

AMERCOAT® 114A

(formerly Nu-Klad® 114A, also branded as Megaseal CF)

March 2012
Revision of November 2011

DESCRIPTION Epoxy Filler compound

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

COLOR AND GLOSS Off White

BASIC DATA

Volume solids 100%
 VOC 0 lbs/gal
 Recommended Dry film thickness Flush with surrounding substrate to fill voids
 Theoretical Spread Rate @ 1 mil dft 2133 ft² / 20 lb kit
 321 ft² / 3 lb kit
 Components 2
 Shelf Life 3 years from date of manufacture

SURFACE PREPARATION

- 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 *Amercoat 114A*. Prepared 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
- 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.

ENVIRONMENTAL CONDITIONS

Ambient temperatures 50°F to 120°F (10°C to 49°C)
 Material temperatures 50°F to 90°F (10°C to 32°C)
 Relative humidity 0 – 85%, Surface must be free of visible moisture. Surface temperature must be at least 5°F above the dew point temperature.
 Surface temperature 50°F to 120°F (10°C to 49°C)
 General air quality 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. Refer to Information Bulletin #1489 for further information on prevention, detection, and mitigation of amine blush.

INSTRUCTIONS FOR USE

Mixing ratio by volume 1.84 part base to 1 part hardener
 Pre-mix pigmented components with a pneumatic air mixing 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.

Pot life / working time

	50°F	70°F	90°F
Amercoat 114A	4 hours	2.5 hours	1 hour

Induction time None required

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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 base of up to 1".

Amercoat 114A may be used to fill surface voids up to 1" in width. *Amercoat 114A* is not elastomeric and therefore will not bridge dynamic cracks.

Thinner

Do not thin

Cleaning solvent

Amercoat 12 Cleaner, *Amercoat 65 thinner* (xylene), or *Amercoat 928 Cleaner* (water based option)

Primers

Direct to concrete or over epoxy sealer;
Steel – *Amercoat 68HS*, *Amercoat 68MCZ*, *Amercoat Epoxies*, *Amerlock Series*

Topcoats

Amercoat Epoxies, *Pittguard Epoxies*

Safety precautions

For paint and recommended thinners see safety sheet 1430, 1431 and relevant material safety data sheets

DRY/CURE TIMES*

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	50°F	70°F	90°F
Dry to handle	36 hours	18 hours	9 hours
Dry to recoat / solvent based products	36 hours	18 hours	9 hours
Dry to recoat/ topcoat – solvent free products	6 hours	3 hours	1 hours
Max recoat, solvent based epoxies	30 days	7 days	3 days
Max topcoat, solvent free epoxies	6 days	3 days	1.5 days

****** 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. 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.

PRODUCT QUALIFICATIONS

- Compliant with USDA Incidental Food Contact Requirements
- NFPA Class A for Flame Spread and Smoke Development
- Compliant for Nuclear Service Level 2 with selected systems

AVAILABILITY

Packaging

Available in 20-lb (1.33 gallons) and 3-lb kits (0.2 gallons)

Product codes

NU114-35 (epoxy base)

NU114-B (hardener)

Worldwide statement

While it is always the aim of PPG Protective & Marine Coatings to supply the same product on a worldwide basis, 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.

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