



**AMERON**  
INTERNATIONAL

Performance Coatings & Finishes

# Nu-Klad® 120A

*Self-leveling epoxy surfacer*

## Product Data

- Zero VOC, solventless
- Easy to apply
- Wide range of uses
- Smooth, cleanable floor
- Excellent adhesion
- Provides long-lasting protection to concrete
- Can be used indoors or outdoors
- Good durability and appearance
- Topcoatable
- Suitable for new concrete or refurbishment

Nu-Klad 120A is a spreadable self-leveling epoxy surfacer for concrete floor protection where a smooth cleanable floor surface is required.

Nu-Klad 120A may be applied over a broad temperature range at varying thickness. Always mix packaged amounts of resin, cure and powder. DO NOT vary mix ratio.

Amercoat® 883 Decorative vinyl chips may be used with Nu-Klad 120A and topcoated with Amershield.

### Typical Uses

- Food and beverage processing facilities
- Electronic equipment plants
- Industrial and commercial warehouses
- Laboratory floors
- Pharmaceutical plants
- Power plants
- Waste water and sewage treatment plants

### Recommended Systems

Service	Primer	Nu-Klad 120A	Final Coat
Decorative	105A	40 mils	Amershield™
Mild	105A	40-60	
Moderate	105A	60-100	
Severe	105A	100-175	

*Note: An optional final coat of Amerlock® 400 or Amershield may be used for mild service.*

### Typical Properties after 11 days @ 70°F (21°C)

#### Mechanical

Tensile strength (ASTM C307)	2,110 psi
Compressive strength (ASTM C579)	8,250 psi
Flexural strength (ASTM C580)	3,930 psi
Modulus of elasticity (ASTM C580)	8.03 psi x 10 <sup>5</sup>

## Physical Data

Color*	Medium gray, pearl gray, white	
Components	3 – resin, cure and powder	
Curing mechanism	Chemical reaction between components	
DFT per coat	mils	microns
	40 to 175	1000 to 4375
Coats	1 or 2**	
Theoretical coverage (ft <sup>2</sup> /unit)		
Thickness (mils)		
40	88	
60 (≈ <sup>1</sup> / <sub>16</sub> in)	58	
80	44	
100	35	
120 (≈ <sup>1</sup> / <sub>8</sub> in)	29	
130	27	
160	22	
175	20	
VOC	0.0 lb/gal	0.0 g/L
Flash point (SETA)	°F	°C
cure	240	116
resin	230	110
Amercoat 12	2	-17
Amercoat 928 (TCC)	175	79

## Application Data

Applied over	Prepared and primed concrete**	
Surface preparation	ASTM D4260 or 4259	
Primer	Nu-Klad 105A	
Method	Pour and spread - roll or gauge rake	
Mixing ratio	As packaged. Mix full units only.	
Environmental conditions		
Temperature	°F	°C
air	40 to 100	4 to 38
surface	40 to 120	4 to 49
material (minimum)	50 to 100	10 to 38

*\*Nu-Klad 120A is subject to color change upon aging. There may be minor variations in color from batch to batch.*

*\*\*A primer is optional for two-coat application of Nu-Klad 120A. Over very rough abrasive-blasted concrete a skim coat of Nu-Klad 120A may assist in achieving a smooth surface.*

*Formerly Amercoat 3292*

## Application Data Summary

See Application Instructions for complete information on surface preparation, environmental conditions, application procedures and equipment. To obtain maximum performance, apply as recommended. Adhere to all safety precautions during storage, handling, application and drying periods.

## Safety Precautions

Read each component's material safety data sheet before use. Mixed material has hazards of each component. Safety precautions must be strictly followed during storage, handling and use.

***This product is for professional use only. Not for residential use.***

## Warranty

Ameron warrants its products to be free from defects in material and workmanship. Ameron's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at Ameron's option, to either replacement of products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the nonconforming products. Any claim under this Warranty must be made by Buyer to Ameron 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, or one year from the delivery date, whichever is earlier. Buyer's failure to notify Ameron of such nonconformance as required herein shall bar Buyer from recovery under this Warranty.

**Ameron makes no other warranties concerning the product. No other warranties, whether express, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall Ameron be liable for consequential or incidental damages.**

Any recommendation or suggestion relating to the use of the products made by Ameron, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

			°F/°C
Working time (hours)	90/32	70/21	50/10
normal	<sup>1</sup> / <sub>2</sub>	<sup>3</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>2</sub>
Drying time (hours)			°F/°C
(ASTM D1640)	90/32	70/21	50/10
touch	2	3	16
through (walk-on)	6	16	28
Time before service (days)	1	2	4
Minimum topcoat time (hours)	90/32	70/21	50/10
with Amerlock 400 or Amershield	6	16	28
Maximum recoat time (days)***			
120A over 120A	2	3	5
120A over 105A	7	14	28
Amershield over 120A	3	5	10
Amerlock 400 over 120A	15	30	45

\*\*\*Roughen surface if maximum recoat time is exceeded.

Equipment cleaner Amercoat 12 or 928

## Shipping Data

Packaging		
cure	3.6 lb in 1-gal can	
resin	7.9 lb in 5-gal can	
powder	21.4 lb in EnviroPac™	
Shipping weight (approx)	lb	kg
cure	4.4	2
resin	11.4	5.2
powder unit	22.7	10.3

Shelf life when stored indoors at 40 to 100°F (4 to 38°C) in unopened, tightly sealed containers.

resin, cure and powder 1 year from shipment date

Numerical values are subject to normal manufacturing tolerances, colors and testing variances. Allow for application losses and surface irregularities.

This mixed product is nonphotochemically reactive as defined by the South Coast Air Quality Management District's Rule 102 or equivalent regulations.

## Limitation of Liability

Ameron's liability on any claim of any kind, including claims based upon Ameron's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which give rise to the claim. **In no event shall Ameron be liable for consequential or incidental damages.**



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