



Nu-Klad® 120A

Self-leveling epoxy surfacer

Application Instruction

Adhere to all application instructions, precautions, conditions and limitations during storage, handling, application and drying periods to obtain the maximum performance. For conditions outside the requirements or limitations described, contact your Ameron representative.

Surface Preparation

Coating performance is proportional to the degree of surface preparation. Refer to specifications for specific primer being used. Nu-Klad 120A is applied over Nu-Klad 105A Primer/Sealer. The primed concrete surface must be clean and dry and free of contaminants such as dust, dirt, grease, or oil.

Concrete – Acid etch (ASTM D4260) or abrasive blast (ASTM D4259). Apply Nu-Klad 120A within maximum recoat time after priming. A primer is optional for two-coat application. When a second coat is used for smoothing, for adjusting thickness or for repair, apply within maximum recoat time. If recoat time is exceeded, roughen the surface before reapplication. Over very rough abrasive-blasted concrete a skim coat of Nu-Klad 120A may assist in achieving a smooth surface.

Application Equipment

The following equipment is recommended, but other equipment may be used:

Roller – Short nap, phenolic core.

Gauge rake – Such as, Silikal gauge rake in 24- or 32-inch lengths.

Plastic spiked roller – Such as, Silikal porcupine roller.

Environmental conditions

Temperature	°F	°C
air	40 to 90	4 to 32
surface	40 to 120	4 to 49
material	50 to 90	10 to 32

Mixing

Nu-Klad 120A is a 3 component package. Stir resin thoroughly to disperse pigment before mixing with cure. Add cure to resin and mix slowly until uniformly blended. **Do not mix at high speed, air entrainment will occur.** Then add powder. Stir until uniformly blended by keeping mixing blade down at the bottom of container to reduce air entrainment. Nu-Klad 120A is ready for use immediately after mixing resin and cure; no induction time is required. Do not mix more material than can be used within the working time: 2 hours at 70°F (21°C). Material which has begun to set cannot be satisfactorily used and must be discarded.

Surface temperatures must be at least 5°F (3°C) above dew point to prevent condensation.

Application Procedure

Nu-Klad 120A is packaged in the proper proportions which must be mixed together before use. **Mix full units only.**

Pour and Spread

Roller – Nu-Klad 120A can be applied using a short nap roller.

1. Pour mixed material on the floor and spread with a short nap roller.
2. Eliminate bubbles by rolling applied material with a spiked plastic roller.
3. Clean equipment with Amercoat® 12 or 928.

Gauge rake – Nu-Klad 120A can be applied using a gauge rake.

1. Pour mixed material, then spread evenly over concrete flooring using the gauge rake.
2. Eliminate bubbles by rolling material with a spiked plastic roller.
3. Clean equipment with Amercoat 12 or 928.

Repair – Reapply Nu-Klad 120A over clean Nu-Klad 120A surface up to 3 days @ 70°F (21°C). Roughen surface after 3 days.

	90/32	70/21	50/10
Working time (hours)	90/32	70/21	50/10
normal	1/2	3/4	1 1/2
Drying time (hours)			
(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, 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.

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.

CAUTION – Improper use and handling of this product can be hazardous to health and cause fire or explosion.

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: implementation of proper ventilation, use of proper lamps, wearing of proper protective clothing and masks, tenting and proper separation of application areas. Consult your supervisor.

Proper ventilation and protective measures must be provided during application and drying to keep spray mists and vapor concentrations within safe limits and to protect against toxic hazards. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interiors and buildings.

This product is to be used by those knowledgeable about proper application methods. Ameron makes no recommendation about the types of safety measures that may need to be adopted because these depend on application environment and space, of which Ameron is unaware and over which it has no control.

If you do not fully understand these warnings and instructions or if you cannot strictly comply with them, do not use the product.

Note: Consult Code of Federal Regulations Title 29, Labor, parts 1910 and 1915 concerning occupational safety and health standards and regulations, as well as any other applicable federal, state and local regulations on safe practices in coating operations.

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.

Limitation of Liability

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Due to Ameron's policy of continuous product improvement, the information contained in this Product Data/Application Instructions sheet is subject to change without notice. It is the Buyer's responsibility to check that this issue is current prior to using the product. For the most up-to-date Product Data/Application Instructions always refer to the Ameron International Performance Coatings & Finishes website at www.ameroncoatings.com.



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