



# Nu-Klad 813B

## Clear Solvent Free Epoxy Primer

### Product Data/ Application Instructions

- **Economic primer for concrete surfaces**
- **Excellent multi-purpose concrete primer**
- **Solvent-free**
- **Resistant to common cleaning agents**
- **Convenient mixing ratio**
- **Easy to apply**

#### Typical Uses

Nu-Klad 813B can be used as a sealer for concrete floors to prevent dust forming as a result of light traffic. Nu-Klad 813B used as a primer provides an excellent surface for Nu-Klad coatings, mortars and screeds.

#### Physical Data

|                           |  |  |
|---------------------------|--|--|
| Finish .....              | matt   |  |
| Colour .....              | clear  |  |
| Components .....          | 2  |  |
| Mixing ratio (by weight)  |  |  |
| resin .....               | 2 parts  |  |
| cure .....                | 1 part   |  |
| uring mechanism .....     | chemical reaction between components                     |  |
| Dry film thickness .....  | not applicable   |  |
| Number of coats .....     | 1  |  |
| Volume solids .....       | 100% (ASTM D-2697)                                       |  |
| Specific gravity .....    | 1.1 kg/l (mixed product)                                 |  |
| Calculated coverage ..... | 200-350 g/m <sup>2</sup> depending the concrete porosity |  |

Allow for application losses, surface irregularities, etc.

|                   |    |     |
|-------------------|----|-----|
| Flash points      |    |     |
| (Closed Cup)..... | °C | °F  |
| resin .....       | 60 | 140 |
| cure .....        | 60 | 140 |
| Amercoat 65 ..... | 24 | 75  |
| Amercoat 12 ..... | 24 | 75  |

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## Outstanding Characteristics

Nu-Klad 813B is solvent free and easily applied by brush or roller. Convenient mixing ratio of 1:2. For repair areas, Nu-Klad mortar may be applied wet-on-wet. Mixed with the appropriate Nu-Klad fillers, Nu-Klad 813B can also be used for repair and filling purposes.

## Application Data

|  |                               |
|--|-------------------------------|
| Substrate .....                          | sound, clean and dry concrete |
| Application method: .....                | brush or roller               |
| Minimum substrate temperature .....      | 10°C/50°F                     |
| Maximum substrate moisture content ..... | 3%                            |
| Potlife (at 20°C/68°F) .....             | 45 minutes                    |

### Drying Times

Drying times are dependent on the temperature, film thickness and other environmental conditions. Times are proportionally shorter at higher temperatures and longer at lower temperatures. The minimum temperature for satisfactory cure is 10°C/50°F.

### Environmental Conditions (during application)

To prevent moisture condensation during application, drying and curing, surface temperature must be at least 3°C/5°F above the dew point. When working in conditions of high humidity (> 85%), it is advisable to cover the still wet surface of Nu-Klad 813B with a thin sprinkling of dry, clean sand. This will avoid adhesion problems with subsequent coats.

|               |             |
|---------------|-------------|
| Thinner ..... | Amercoat 65 |
| Cleaner ..... | Amercoat 12 |

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## Application Data Summary

**SURFACE PREPARATION** - All surfaces to be coated must be at least at 28 days strength. Concrete surfaces which have been previously coated, or cured with conventional curing compounds or are contaminated with form oils etc. must be completely cleaned, by abrasive blasting or other suitable technique to remove all laitance and other surface contaminants. The moisture content in the concrete should not exceed 4% by weight.

**APPLICATION PROCEDURE** - Nu-Klad 813B is packaged in the proper mixing ratio of resin and cure.

Resin: 5 kg in a 10 l can  
Cure: 2½ kg in a 2½ l can

Thinner: Amercoat 65

Cleaner: Amercoat 12

1. Add cure to resin and mix until homogeneous.  
NOTE: Since the potlife is limited and shortened by high temperatures, do not mix more material than will be used within the potlife period.
2. On dense concrete an initial coat of Nu-Klad 813B is recommended, thinned up to 5% depending on absorption of the concrete.
3. Spread and work the product across the surface using a roller or brush. Cross brushing or rolling is recommended.
4. Areas which appear to have no evidence of product indicate a high porosity. In these areas, a second application is recommended.
5. Clean all equipment with recommended cleaner immediately after use or at least at the end of each working day or shift.  
NOTE: Primed surfaces must be kept free from condensation.

## Shipping Data

|                       |  |
|-----------------------|--|
| Packaging             |  |
| resin .....           | 5 kg in 10 l can   |
| cure .....            | 2½ kg in 2½ l can  |
| Shipping weight ..... | approx. 8.8 kg   |
| Shelf life            |  |
| resin/cure .....      | 1 year from shipment date when stored indoors in unopened, original containers at 5 to 40°C (41 to 104°F). |

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## Caution

This product is combustible. Keep away from heat and open flame. Keep container closed. Use with adequate ventilation.

Avoid prolonged and repeated contact with skin. If used in confined areas, observe the following precautions to prevent hazards of fire or explosion or damage to the health:

1. circulate adequate fresh air continuously during application and drying;
2. use fresh air masks and explosion proof equipment;
3. prohibit all flames, sparks, welding and smoking.

Do not empty into drains. Take precautionary measures against static discharges. For specific information on hazardous ingredients, required ventilation, possible consequences of contact, exposure and safety measures see Safety Data Sheet.

## Safety

Since improper use and handling can be hazardous to health and cause of fire or explosion, safety precautions included with Product Data/Application Instruction and Material Safety Data Sheet must be observed during all storage, handling, use and drying periods.

## Warranty

Ameron warrants its products to be free from defects in material and workmanship. Ameron's sole obligations and Buyer's exclusive remedy in connection with the products shall be limited, at Ameron's option, to either replacement of products not conforming this warranty or credit to Buyer's account in the invoiced amount of the non-conforming 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 non-conformance as required herein shall bar Buyer from recovery under this warranty.

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To avoid any confusion that may arise through translation into other languages, the English version of the Product Data/Application Instructions will be the governing literature and must be referred to in case of deviations with product literature in other languages.

## Condition of Sale

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