



# Nu-Klad 807B

## Self Leveling Epoxy

### Product Data/ Application Instructions

- **Tough and abrasion resistant floor topping**
- **Excellent wear and chemical resistance**
- **Smooth and easy cleanable**
- **Contains no solvents**

#### Typical Uses

Nu-Klad 807B is used for the protection of concrete floors in the food and beverage industry, industrial and commercial warehouses, (nuclear) power plants and other locations where a heavy duty, smooth and cleanable floor topping is required.

#### Resistance

Nu-Klad 807B is a solvent free epoxy based self levelling floor topping. It has excellent wear resistance and provides a smooth finish. Nu-Klad 807B is easily cleaned from dirt and grease, resisting normal cleaning procedures. Nu-Klad 807B resists splash and spillage of a wide range of industrial chemicals and cleaning agents. For specific recommendations, ask your Ameron representative.

#### Physical Data

Finish .....	smooth and glossy
Colour .....	see standard colour list
Components .....	2
Mixing ratio (by weight)	
resin .....	6.4 parts
cure .....	1 part
Curing mechanism .....	chemical reaction between components
Dry film thickness .....	1½ mm - 3 mm
Volume solids .....	100%
Specific gravity .....	1.67 kg/l (mixed product)
Calculated coverage .....	0.3m <sup>2</sup> /kg at 2 mm
Allow for application losses, surface irregularities, etc.	
Flash points	
(Closed Cup).....	°C    °F
resin .....	60    140
cure .....	60    140
Amercoat 12 .....	24    75

#### TYPICAL PROPERTIES

Compressive strength .....	>70 N/mm <sup>2</sup>
Flexural strength .....	>50 N/mm <sup>2</sup>
Tensile strength .....	>15 N/mm <sup>2</sup>
Modulus of Elasticity .....	<3000 N/mm <sup>2</sup>

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## Surface Preparation

Concrete with a trowelled surface is preferred and will give the best overall appearance. Concrete floors should be brought up to grade.

Light abrasive blasting or grinding is recommended to remove all previous coatings, chalk and surface glaze or laitance.

## Mixing

Use a power mixer such as ½-inch Jiffy Mud and Resin mixer chucked to a ½-inch drill motor. Mix only full units. Thoroughly stir pigmented resin, then blend with cure and mix thoroughly until a uniform consistency for 3 minutes. Then pour mixture into an empty can. Mix again to uniformity. For large projects the use of a drum blender should be considered.

## Application Data

Substrate ..... clean concrete, free from laitance

Application methods ..... pour and spread method

Potlife time (at 20°C/68°F) ..... 45 minutes

Potlife time and drying times are dependent on temperature.

### Environmental Conditions

The substrate and material temperature should be between 10 and 28°C (50 and 82°F). Maximum humidity of the prepared concrete substrate should be 4% measured over an average depth of 2 cm.

### Recoat Times

Recoat times depend on temperature. Recoat times for Nu-Klad 807B at 20°C/68°F are:

Between scrape coats ..... 12 hours (minium)

Between scrape coat  
and self levelling coat ..... 16 hours (minium)  
72 hours (maximum)

### Curing

Curing times depend on temperature. Nu-Klad 807B cures at 20°C/68°F as follows:

dry to walk on ..... 2 days

dry to light traffic ..... 4 days

dry for service ..... 3 days

fully cured ..... 7 days

Minimum temperature for satisfactory cure is 10°C/50°F.

Cleaner ..... Amercoat 12

# Nu-Klad 807B

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## Application Procedure

### Pretreatment:

On smooth, flat, sound substrates: prime with Nu-Klad 813B, using up to 300 g/m<sup>2</sup>. On smooth flat, porous substrates: prime with Nu-Klad 813B, thinned with maximum 5% thinner, using up to 300 g/m<sup>2</sup>. Prepare the surface of rough substrates with a Nu-Klad 807B scrape coat by pour and scrape coat technique after priming. Normally 400 to 700 gram Nu-Klad 807B per m<sup>2</sup> is applied for scrape coat, depending on surface condition and roughness. For rough concrete surfaces a second scrape coat might be required.

### Application of the self levelling coat

Pour the Nu-Klad 807B in strokes on the floor and spread using a flat trowel. After 10 minutes roll the surface with a pinroller to remove air bubbles. Apply a minimum of 1.5 mm.

Nu-Klad 807B has a smooth, high gloss finish after application.

## Shipping Data

Packaging	
resin .....	21.62 kg in 20 l can
cure .....	3.38 kg in 5 l can
Shipping weight (unit) .....	approx. 26.9 kg
Shelf life .....	1 year from shipment date when stored indoors in unopened, original containers at 5 to 40°C (41 to 104°F).

# Nu-Klad 807B

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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 damage to health:

1. Circulate adequate fresh air continuously during application and curing.
2. Use fresh air masks.

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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