

# NUCEM PRIMER

## Bonding Tack Coat

### Description

A two component primer/tack coat designed to bond new cement based products to existing concrete surfaces. Initially developed for use with the Nucem range of cementitious repair compounds, the primer is characterised by its excellent adhesion to both concrete and steel reinforcement. The formulation is based on a water dispersable epoxy resin containing cement which provides an alkaline environment to protect steel reinforcement from chloride and carbon dioxide attack.

### Advantages

- Long usable life.
- Excellent bond strength to concrete and steel.
- Long open time.
- Application to either wet or dry substrates.

### Technical Information

Resin:	Water dispersable epoxy
S.G.:	1.1
Pot Life @ 20°C:	2.5 hours
Tack Coat Time	
@ 20 °C:	2.5 - 3.5 hours
Coverage:	3 - 5 m <sup>2</sup> per kg
Bond Strength:	Independent tests show failure invariably occurs in substrate or repair material and not at the Nucem Primer interface.

### Surface Preparation

The substrate must be clean and sound hence all grease, oil, paint, plaster and laitance must be removed. Grit blasting, steam cleaning or water jetting are preferred methods. If the surface has been contaminated with moss or lichen then the surface should be treated with Nufins Fungicidal Wash. All rust and scale should be removed from any exposed steel preferably by blast cleaning.

### Mixing

Nucem Primer is prepared by adding the contents of the base tin to the hardener container and mixing thoroughly. Usable life 2 - 3 hours.

### Application Instructions

The prepared surface and cleaned reinforcement steel should be coated with the Nucem Primer using a stiff brush ensuring it is thoroughly worked into the surface. When using Nucem Primer it is not necessary to pre-dampen the substrate as it may be applied to either dry or damp surfaces. Whilst the primer is still tacky, normally within 3 hours, apply the repair mortar or screed. Should the primer dry before application of the topping then re-prime. Clean all brushes and equipment immediately after use with cold water.

### Packaging

Nucem Primer is supplied in 1.0 kg units ( coverage 3 - 5 m<sup>2</sup>) and 0.5 kg units ( coverage 1.5 - 2.5 m<sup>2</sup>).

### Storage

Nucem Primer has a shelf life of 6 months when stored unopened at moderate temperatures. Protect from frost.

### Health & Safety

Nucem Primer, like similar products, is capable of irritating unprotected skin, we therefore recommend the use of gloves and a barrier cream. Accidental skin contact should be removed using soap and water.

### **Limitations**

Application should not be carried out when the temperature is below 5°C.

### **Technical Support**

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors.

Technical representatives are available throughout the UK to provide further information and arrange demonstrations.



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