

## 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 dispersible 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.
- Suitable for both wet and dry substrates.
- Provides added protection to steel reinforcement.

#### Technical Information

Resin	Water Dispersible Epoxy
S.G.	1.1
Pot Life @20°C	2.5 Hours
“Tack” Duration @20°C	2 - 3.5 Hours
Coverage	3 - 5m <sup>2</sup> per kg
Bond Strength (Independently assessed by Taywood Testing)	>2.0 N/mm <sup>2</sup> Bond stronger than the substrate and the repair material.

#### Surface Preparation

The substrate must be clean and sound hence all grease, oil, paint 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 scale should be removed from any exposed steel preferably by grit blast cleaning.

#### Mixing

Nucem primer is prepared by adding the contents of the base tin to the hardener tin and mix 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, though dampening will assist application. Whilst the primer is still tacky, normally within 3 hours, apply the repair mortar or screed. Should the primer dry before the repair material is placed then re-prime the remaining area. Clean all equipment immediately after use with cold water.

#### Packaging

Nucem Primer is supplied in 0.5 kg, 1.0 kg units and 5 kg units.

#### Storage

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

#### Health & Safety

Nucem Primer, as with similar materials, is capable of irritating unprotected skin. We therefore recommend the use of gloves and a suitable barrier cream. Accidental contact with the skin should be removed with soap and water.

#### Limitations

Applications should not be made whilst temperatures are 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 to provide further information and arrange demonstrations.

