

# NUCEM SKIM COAT

## Flexible Cementitious Levelling Coat

### Description

A polymer modified cementitious levelling coat with built in flexibility and waterproofing characteristics. Application should be carried out by either brush or trowel. Ideal for the treatment of repaired concrete surfaces to protect the unrepaired areas against further attack by chlorides or carbonation and to provide an overall uniform appearance or a consistent surface to receive a decorative coating. Nucem Skim Coat is a waterproof material which allows the structure to breathe. Independently tested by Taywood Engineering Limited.

### Applications

- Waterproofing of internal and external concrete, brickwork and blockwork.
- Protection of concrete with insufficient cover to steel reinforcement.
- Unification of repaired concrete structures.
- Dampproofing of basements and cellars.

### Advantages

- Provides an efficient barrier against ingress of carbon dioxide.
- Easy to apply by brush or float.
- Good resistance to water, frost and salt.
- Pack contains everything including gauging liquid.

### Technical Information

|   |  |
|---|--|
| Type:   | Cementitious/Acrylic Polymer                                     |
| Density:  | 2.0  |
| Yield:  | 500 cc/kg  |
| Coverage:   | 12.5 kg pack will cover 4.16 m <sup>2</sup><br>@ 1.5mm thickness |
| Pot Life:   | 45 minutes   |
| Carbon Dioxide  |  |
| Diffusion:  | 4.2 x 10 <sup>-6</sup>   |
| R Value @ 3mm:  | 107 metres   |
| Sc Value @ 3mm:   | 206mm of concrete  |
| Independent testing shows continued excellent resistance after 2000 hours accelerated weathering. |  |

### Surface Preparation

All surfaces must be sound and clean and free of laitance which should be removed by blast cleaning. Surfaces to be treated should be thoroughly dampened with water.

### Mixing

Nucem Skim Coat should be prepared by adding the powdered components to the liquid component in a plastic bucket and mixing with a rotary drill and paddle to achieve a smooth, lump free paste. Do not overmix. Usable life approximately 45 minutes.

### Application Instructions

Apply the material to the surface thoroughly dampened by water using either a brush or float in either one or two coats. Maximum thickness per coat is 2mm. As the material sets it can be trowelled to a smooth surface using a steel float or alternatively finished with a sponge to give a textured finish.

All equipment should be washed immediately after use with cold water.

### Overcoating

Nucem Skim Coat provides an excellent base for the application of surface protective and/or decorative coatings. Consult manufacturers as to minimum overcoating time.

### Packaging

Nucem Skim Coat is available in 12.5 kg units (yield 6.24 litres).

### Storage

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

### **Health & Safety**

Nucem Skim Coat does not present any undue hazard and is non-toxic, however, as it is alkaline, gloves should be worn and any material should be washed from skin and eyes before it dries with clean water.

### **Limitations**

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

Surfaces may become stained white if excess water is used to finish the surface or if water, i.e. rain or condensation, is allowed to form on the surface before the film has hardened.

### **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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