

# MITCHPRUF M319

## Cementitious Flexible Waterproofing Coating

### DESCRIPTION

**MITCHPRUF M319** is a two component acrylic polymer modified cementitious coating. It is supplied in a pre-packaged form. This product is designed to be mixed easily on site using a slow speed drill fitted with a mixing paddle and then applied to the substrate using a brush, roller, trowel or spray.

### APPLICATIONS

**MITCHPRUF M319** is an elastomeric cementitious coating specially designed for waterproofing and as an anti-carbonation protective coating for concrete structures.

**MITCHPRUF M319** is suitable for use on all types of industrial, commercial and residential buildings including those situated in coastal environments.

**MITCHPRUF M319** can also be used on brick and block masonry and is equally suitable for both new and existing structures. It provides a durable and flexible coating which is strong enough to bear light foot traffic.

### BENEFIT AND FEATURES

- Waterproof
- Breathable
- Highly resistant to the effects of long term weathering and carbon damage
- Non-toxic, can be used in drinking water tanks
- Excellent bond to concrete and masonry
- Minimum surface preparation required
- Flexible
- Designed to accept light foot traffic

### DESIGN CRITERIA

**MITCHPRUF M319** is designed to be applied at a minimum thickness of 1mm. This can generally be achieved in one application. It is strongly recommended to apply a second application of **MITCHPRUF M319** on roof areas, which will be subject to pedestrian traffic. The total dry film thickness with a second application is expected to be not less than 2mm.

### COVERAGE:

1.5 Kg / m<sup>2</sup> for 2 coats (DFT 1mm)

### PACKAGING:

16 Kg UNIT (12 Kg Powder + 4 Kg Liquid)

### PROPERTIES

Typical properties of mixed material:

Pot Life at 20°C:	50 minutes
Pot Life at 30°C:	40 minutes
Colors:	Grey & White
Mixed Density:	1750 kg/m <sup>3</sup>
Minimum application temperature:	5°C

### APPLICATION INSTRUCTIONS

**Preparation:** All surfaces, which are to receive the coating, must be free from contamination such as oil, laitance, grease, wax, dirt or any other form of foreign matter, which could affect adhesion. Typically, using high-pressure water jet or grit blasting can clean concrete surfaces. Damaged surfaces or those containing large blowholes, cracks or other such defects should be repaired using the appropriate grade of concrete repair mortar.

**Mixing:** The liquid polymer is poured from the plastic container into a plastic or metal container of a suitable size. Then powder component is gradually added whilst mixing with a slow speed drill fitted with an approved mixing paddle. Mixing must be continued until lump free slurry is obtained. This should take a minimum of three minutes to a maximum of five minutes.

**Application:** Pre-dampen the substrate surface with water using a brush or spray bottle. High porosity substrates will require more dampening than dense substrates. Whilst the surface is damp, apply the material using a soft bristled brush (120mm-200mm wide) or trowel to achieve a minimum film thickness of 1mm. Application by roller is also possible.

The first coat should be allowed to cure for a minimum of 5 hours at 20°C or 3 hours at 35°C prior to a second application, should it be required. This should also be applied to a minimum film thickness of 1mm. Pre-dampening of the substrate is not necessary prior to applying the second coat.

Please note: The actual coverage rate of **MITCHPRUF M319** will vary dependent on the texture and porosity of the substrate. The coverage figures for liquid products are theoretical, due to wastage factors and the variety and nature of possible substrates, practical coverage figures could be different.

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### STORAGE

Shelf life is 1 year in unopened packs stored below 35°C in a shaded environment. The liquid component must not be allowed to freeze. If stored at high temperatures, the shelf life will be reduced.

### PRECAUTIONS

**MITCHPRUF M319** powder is irritating to the eyes, respiratory system and skin. Avoid inhalation of dust and wear suitable respiratory protective equipment.

**MITCHPRUF M319** liquid is not classified as dangerous.

**MITCHPRUF M319** when mixed becomes highly alkaline, wear suitable protective clothing, gloves and eye protection.

For both components and mixed material, avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### CLEANING

Immediately after application is completed, clean all tools and equipment with clean water. Hardened material can only be removed by mechanical means.

**MITCHPRUF M319** should not be used when the temperature is below 5°C and falling. Do not proceed with application when it is raining or rainfall is imminent. The product should not be exposed to moving water during application.