

## Acrylic Floor Sealer and Hardener

**Guardian AFC** is a one component, penetrating synthetic acrylic coating. Provides excellent adhesion to cementitious surfaces and cures to form a clear, semi-gloss flexible film. Penetrates the surface to form a hard wearing surface.

### USES & ADVANTAGES

A sealing coat on concrete floors providing a dustproof, easily cleanable surface resistant to oils and other fluids.

Use in warehouses, car parks and light industry.

**Advantages include:-**

- Easy to apply by brush, roller or spray.
- Good resistance to abrasion.
- Prevents dusting by sealing the concrete surface.
- Easy maintenance.

### PROPERTIES

<b>Appearance:</b>	Clear Liquid Colours available
<b>Specific Gravity:</b>	Approx. 0.92 at 25°C
<b>Drying Time (min.):</b>	Approx. 6 hrs. at 25°C
<b>Full Cure:</b>	7 days at 25°C
<b>Theoretical W.F.T.:</b>	125-150 microns/coat
<b>Theoretical D.F.T.:</b>	28-33 microns/coat

**Chemical properties:**

**Guardian AFC** is resistant to a wide range of chemicals. Specific data is available on request.

**Guardian AFC** is not resistant to concentrated acids, oxidising agents, aromatic or chlorinated solvents. Good housekeeping is essential in areas where chemical spillage is likely to occur. It is especially important that such spillages should not be allowed to dry since very much higher concentrations of chemicals will then result.

### SUBSTRATE PREPARATION

Apply to sound, clean, dry substrates in order to achieve maximum adhesion between the floor coating and substrate. The substrate should be fine textured. Surface irregularities may show through causing excessive wear on high spots and changing the perceived colour of the coating.

**New Concrete Floors**

The floor should be at least 28 days old and give a hygrometer reading not exceeding 80% RH. Dry removal of laitance by light grit-blasting is preferable but, where this is not feasible, treat with an acid wash followed by thorough rinsing with water and complete drying. Dust and other debris should then be removed by vacuum brush.

**Old Concrete Floors**

A sound, clean substrate is important for maximum adhesion. Light grit blasting or acid etching should be carried out as for new concrete floors. Oil and grease penetration should be removed by hot compressed air treatment or with a chemical degreaser.

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### APPLICATION

Guardian AFC is designed to apply in 2 coats to achieve a total dry film thickness of 50-60 microns. The substrate should be dry, clean, have an open pore structure and not be likely to suffer from rising damp. Substrates should not have a relative humidity greater than 80% at time of installation. The ambient temperature during application should be less than 33°C.

Apply not less than two (2) coats of **Guardian AFC** by short nap roller, brush or sprayer at a coverage rate of 6-8 m<sup>2</sup> per litre per coat. The coverage obtained will vary depending on the nature of the surface to be coated. Three (3) coats may be required on porous or coarse surfaces. Ensure that it is completely and uniformly coated without thick or "ponded" areas which will adversely affect curing. Allow 2-4 hours between coats.

### COVERAGE RATE

6-8 m<sup>2</sup>/litre/coat.

### PACKAGING

20 and 200 litre drums.

### CLEANING

**Guardian AFC** should be removed from tools and equipment with solvent immediately after use.

### STORAGE & SHELF LIFE

**Guardian AFC** has a shelf life of 12 months if kept at 25°C in a dry store in the original unopened drums.

### HEALTH & SAFETY

Ensure adequate ventilation and avoid inhalation of vapours. Wear suitable protective clothing, gloves and eye protection. If working in confined areas, suitable respiratory protective equipment must be used. If poisoning occurs, contact a Doctor or Poisons Information Center. If swallowed, do NOT induce vomiting - give a glass of water. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor, If skin contact occurs, remove contaminated clothing and wash skin thoroughly.

Fire: **Guardian AFC** is flammable. Keep away from sources of ignition. No smoking. In the event of fire, extinguish with CO<sub>2</sub> or foam. Do not use a water jet.

### TECHNICAL SERVICE

**Guardian Coating Service Department** is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

### QUALITY ASSURANCE (OEM)

ISO 9001: 2015 verified by TUV Nord.

ISO14001:2015 verified by Lloyd's Register International.