



Coating, Chemical & Design Solutions Protecting Assets & Infrastructure

TECHNICAL DATA SHEET

FLOORGUARD CLEAR

DESCRIPTION

FLOORGUARD is a one-component, solvent-based acrylic penetrating clear synthetic coating designed for concrete floor slabs. It provides excellent adhesion to cementitious surfaces and cures to form a clear, semi-gloss, flexible film. The coating penetrates the surface to create a hard-wearing layer.

USES & ADVANTAGES

A concrete floor sealing coat providing a dustproof, easily cleanable surface that is resistant to oils and other fluids. Suitable for use in warehouses, car parks, and light industry.

Advantages include:

Easy to apply with a brush, roller, or spray.

Excellent resistance to abrasion.

Non-Yellowing / Excellent UV Light Resistance

Prevents dusting by sealing the concrete surface.

Easy maintenance/ resistant to oils and grease.

PROPERTIES

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| Appearance | Clear Liquid |
| Specific Gravity | Approx 0.92 at 25°C |
| Drying Time (Min) for light traffic | 4 hours at 25°C (do not park cars until full cure) |
| Drying Time between coats | 2-4 hours (depends on temp) |
| Full Cure | 6 Days at 25°C |
| Theoretical WFT | 125- 150 microns/ coat |
| Theoretical DFT | 28 to 35 microns/ coat |
| Chemical Properties | Resistant to a wide range of chemicals. Special Data available on request. |

FLOORGUARD is not resistant to concentrated acids, oxidising agents, or aromatic and chlorinated solvents. It is essential to maintain good housekeeping in areas where chemical spills may occur. It is especially important to ensure that such spills do not dry out, as this can lead to significantly higher chemical concentrations.

SUBSTRATE PREPARATION

When applying floor coatings, ensure substrates are sound, clean, and dry to maximise adhesion. The substrate should have a fine texture. Any surface irregularities can become visible, leading to excessive wear on raised areas and altering the coating's perceived colour.

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; if 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 with a chemical degreaser.

APPLICATION

FLOORGUARD 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 the time of installation. The ambient temperature during application should be less than 35°C.

Apply not less than two (2) coats of *FLOORGUARD* by short nap roller, brush or sprayer at a coverage rate of 6-8 m² per litre per coat. The coverage obtained will vary depending on 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 m²/litre/coat.

CLEANING

FLOORGUARD should be removed from tools and equipment with solvent immediately after use.

PACKAGING

20 Litre and 5 Litre Containers

STORAGE & SHELF LIFE

FLOORGUARD has a shelf life of 12 months when kept at 25°C in a dry store in its original, unopened containers.

HEALTH & SAFETY

Ensure adequate ventilation and avoid inhaling vapours. Wear suitable protective clothing, gloves, and eye protection. When working in confined spaces, appropriate respiratory protective equipment must be worn.

If poisoning occurs, contact a doctor or the Poisons Information Centre. If ingested, do not induce vomiting; instead, give the person a glass of water. If the substance gets in the eyes, hold the eyes open and rinse them with water for at least 15 minutes, then seek medical attention. If there is skin contact, remove contaminated clothing and wash the skin thoroughly.

FIRE: **FLOORGUARD** is flammable. Keep it away from flames and other sources of ignition. No smoking is allowed. In the event of a fire, extinguish it using CO₂ or foam; do not use a water jet.

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