

# **FEBCLEAR SUPER**

## **COLOURLESS SURFACE COATING AND SEALER**

### **Specification Type:**

ASTM 309 Type Class B

### **Description:**

FEBCLEAR SUPER is a water-thin colourless coating, which is quick drying. It penetrates into the pores of the material under treatment.

### **Primary Uses:**

As a coating, to provide a protective barrier on porous surfaces which resists chemical attack and eliminates dusting.

### **Typical Applications:**

Without affecting the breathing properties of concrete, masonry, rendering, brickwork, asbestos and timber, the Pliolite copolymer resin binders of FEBCLEAR SUPER penetrate the capillary structure of building materials to provide floors and walls with impervious integral protection against deterioration through damp, weathering, heavy usage and the effect of contact with alkalis.

It can be specified as a curing membrane for new concrete.

### **Walls:**

Concrete, brickwork, masonry and rendered walls benefit from coating with FEBCLEAR SUPER. The benefits derived include:

- Waterproofing
- Protection for mortar pointing against weathering and greatly increased life for walls by preventing ingress of water causing spalling and deterioration after frost attack
- Prevention of waterborne dirt and atmospheric grime adhering to porous surfaces
- Reduced porosity prevents moisture retention thereby increasing insulation values
- The structure is allowed to breathe naturally

### **Asbestos-Cement Sheeting:**

Penetrates to create hard surface topping which prevents moisture penetration, binds together fibres and prevents build-up of grime deposits. Ideal base for subsequent decoration.

### **Floors:**

Concrete, terrazzo and internal timber floors are improved by FEBCLEAR SUPER because it offers:

- Longer life – high abrasion resistance, particularly for floors subject to heavy duty.
- Easier floor maintenance.
- Complete protection from damp penetration and resistance to attack from most oils and chemicals.
- No surface dusting or dirt penetration.
- Improved colour variation for terrazzo and timber floors.
- An attractive sheen finish which, does not require application of further polishes.
- No yellowing with age.

**New Concrete:**

One coat forms a moisture barrier film on new concrete, which retards moisture loss ensuring maximum strength.

Unlike other curing agents FEBCLEAR SUPER is an ideal substrate for subsequent treatments

**Appearance and Finish:**

Although colourless FEBCLEAR SUPER leaves a surface sheen whilst penetrating the surface. It may alter the appearance slightly when used on decorative stonework and the like.

**Advantages:**

- FEBCLEAR SUPER is water-free. This means that application can take place down to 0°C provided surface is frost/ice free. FEBCLEAR SUPER can be applied to slightly damp, porous surfaces.
- FEBCLEAR SUPER allows materials to breathe. Although forming an enamel coating impervious to water, FEBCLEAR SUPER allows the escape of moisture vapour, which could otherwise cause blistering.
- FEBCLEAR SUPER gives integral protection: Unlike most surface treatments, such as many polyurethane-based products, FEBCLEAR SUPER penetrates the capillary structure and provides a tough, clear protection which becomes a composite part of the structure. This penetration means that with FEBCLEAR SUPER failure will not occur through peeling of the surface coating.
- FEBCLEAR SUPER is inexpensive. Easily applied by unskilled labour, FEBCLEAR SUPER provides long life protection at under 10% of the cost of an epoxy finish.
- By hardening and protecting building surfaces with a tough enamel coating, porous structures can be given a longer life and normal maintenance costs can be greatly reduced. This applies equally to internal floors and external walls and paving.

**Action:**

Penetrates into the pores of the substrate being treated and binds the particles together to form a tough, resilient abrasive-resistant enamel.

**Composition:**

FEBCLEAR SUPER is a one-pack, colourless enamel coating which provides integral protection for building materials. FEBCLEAR SUPER is based on styrene acrylic copolymer resin and is especially suitable as a base for protective enamel and waterproofing masonry compounds.

**Properties:**

Service Temperature Limits	0°C to 45°C
Specific Gravity	0.85 at 20°C
Viscosity	20 seconds on Ford Cup No. 4 at 20°C

**Directions for Use:**

Surface Preparation:

Ensure surfaces are clean and free from dust. Where concrete surfaces require cleaning to remove oil or grease, use a strong detergent in accordance with manufacturer's instructions.

**Application Instructions:**

- a) Walls and other vertical surfaces – brush on FEBCLEAR SUPER with a soft bristle brush in a liberal coating, ensuring penetration into the surfaces.
- b) Floors – apply FEBCLEAR SUPER with a soft broom or squeegee working surplus material into adjacent untreated areas.

FEBCLEAR SUPER will normally dry tack-free within 2-4 hours dependent on ventilation and temperatures. Allows six hours before applying to subsequent coats. For normal applications, two coats are necessary for full treatment and the degree of resistance required.

FEBCLEAR SUPER should be applied so as to completely fill the surface pores and leave a slight surface sheen.

Heavy-duty areas subject to exceptional wear may be re-treated, after cleaning, with a single coat of FEBCLEAR SUPER to restore full protection.

FEBCLEAR SUPER is easy to apply, dries quickly and because of its penetrative properties, clings to damp and chalky surfaces – even “green” concrete – without peeling or flaking.

**Watch Points:**

- Ensure adequate ventilation during application.
- Do not apply to wet surfaces, in conditions of high humidity or when rain is in forecast.
- Protects from rain until dry.
- Do not over apply – 2 thin coats are better than one thick one.
- If an acid is used to clean the concrete prior to the application of FEBCLEAR SUPER, ensure no traces of acid left on the surface.
- On extremely porous surfaces, an undercoat should be applied. This should be done with a mixture of equal parts of white spirits and FEBCLEAR SUPER.
- Do not apply to non porous surfaces (e.g. quarry tiles, some dense brick and non porous or waterproof concrete)
- Avoid any naked flames, smoking etc.
- In areas of heavy wear surface sheen may dull and give whitish appearance.
- Do not apply to poor quality concrete which is severely dusting or spalling without consulting the manufacturer.

**Cleaning:**

Clean all equipment and brushes immediately after use with white spirits or paint thinners.

**Coverage Rate:**

One litre will cover 7-10 square metres depending upon the porosity and texture of the surface.

**Packaging:**

FEBCLEAR SUPER is available in 5 and 25 litre containers.

**Storage:**

Keep away from foodstuffs.

Inflammable – flashpoint 36°C

Protect from heat and sources of ignition

**AGITATE WELL BEFORE USE.**