



THE FENDER BCS GROUP OF COMPANIES

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SUPA-CURESEAL

PRODUCT DESCRIPTION

SUPA-CURESEAL is a one part low odour clear acrylic resin polymer solution used to cure, harden and seal fresh or hardened concrete.

Uses

SUPA-CURESEAL is used for curing and sealing of fresh concrete floors.

Provides curing and sealing for **FENDER** dry shake hardeners

Suitable for exterior and interior application

Characteristics / Advantages

One coat application

Helps control dusting for both new and existing concrete floor surfaces

Effectively cures and seals concrete surfaces in a single, economic operation

Non yellowing

Easy application by spray or roller

Tests - Approval / Standards

Conforms to the requirements of ASTM C-309 for curing liquids type 1, ASTM C-156 for water retention and ASTM D-4060 for improvement of abrasion resistance.

PRODUCT DATA

Form

Appearance / Colours Clear liquid, clear when cured.

Packaging 25 l metal cans and 200 l metal drums.

Storage Conditions / Shelf Life

12 months from date of production, if stored properly in original, unopened and undamaged sealed containers, in dry conditions at temperatures between +5°C and +30°C. Protect from frost.

TECHNICAL DATA

Chemical Base Acrylic resin polymer in solution

Density ~ 0.9 kg/l (at +20°C)

MECHANICAL / PHYSICAL PROPERTIES

Chemical Resistance The product is not intended for chemical exposure.

SYSTEM INFORMATION

System Structure All applications 1-2 coats.

Application Details

Consumption / Dosage 0.1 - 0.2 l / m² / coat. (5 - 10 m² / l / coat)

To conform with ASTM C-309, ensure a total of 0.2 l/m² is applied.

This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level and wastage, etc.

Our expertise is fitting all the pieces together

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Substrate Quality	<p>Fresh concrete: Surface must be free of bleed water and of sufficient strength to withstand finishing operations.</p> <p>Hardened / old concrete: Surfaces must be sound, open textured, clean, free from frost, laitance, surface water, oil, grease, coatings, all loosely adhering particles and other surface contaminants. If in doubt apply a test area first.</p>
Substrate Preparation	<p>Fresh concrete: The concrete must be prepared by suitable power or manual floating/tamping techniques.</p> <p>Hardened / old concrete: The substrate must be prepared by suitable mechanical preparation techniques such as high-pressure water or abrasive blast cleaning equipment. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.</p>

APPLICATION CONDITIONS / LIMITATIONS

Substrate Temperature	+5°C min. / +30°C max.
Ambient Temperature	+5°C min. / +30°C max.
Relative Air Humidity	80% r.h. max.
Dew Point	<p>Beware of condensation!</p> <p>The substrate and uncured floor must be at least 3°C above dew point to reduce the risk of condensation or blooming on the floor finish.</p>

APPLICATION INSTRUCTIONS

Mixing	SUPA-CURESEAL is supplied ready for use. Stir thoroughly before use.
Mixing Time	2 minutes.
Mixing Tools	Electric stirrer with low speed (~ 300 rpm).
Application Method / Tools	<p>For fresh concrete, apply immediately after finishing techniques have been completed.</p> <p>Apply in a continuous even film by low-pressure spray unit.</p> <p>The suitability of spraying equipment must be confirmed by trials.</p> <p>Application also possible by brush or roller.</p> <p>To achieve the highest visual aesthetics and performance, a second coat is recommended.</p> <p>Wait for first coat to dry tack free before applying a second coat.</p>
Cleaning of Tools	<p>Clean all tools and application equipment with Thinners C immediately after use.</p> <p>Hardened / cured material can only be mechanically removed.</p>
Waiting Time / Overcoatability	<p>Allow previous coats to become tack free before applying additional coats.</p> <p>Drying will be affected by changing substrate and ambient conditions, particularly temperature and relative humidity.</p>
Notes on Application / Limitations	<p>In hot weather (above +25°C) store SUPA-CURESEAL in a cool place prior to use.</p> <p>In low temperatures (below +5°C) the product may thicken and be difficult to spray,</p> <p>store in a warm place.</p> <p>Do not use sprayers, which have been used to spray silicones or release agents.</p> <p>Do not mix differing formulations of SUPA-CURESEAL or other curing membranes.</p> <p>Ensure spraying equipment is cleaned thoroughly before use and residues of previous membranes are removed.</p> <p>SUPA-CURESEAL must be removed prior to the application of a coating system.</p> <p>SUPA-CURESEAL increases abrasion resistance compared to untreated C25 concrete, but will gradually de-grade and be removed by environmental exposure conditions and trafficking.</p>