

CLF SUPERSEAL Concrete Curing & Surface Hardeners

DESCRIPTION

CLF SUPERSEAL is clear to light yellow solvented curing compound which impregnates concrete surfaces to combine all the benefits of curing, hardening and sealing. It is for the application on fresh concrete, mortar and other cement coatings. Curing is the process in which the concrete is protected from loss of moisture and kept within a reasonable temperature range. The result of this process is increased strength and decreased permeability. Curing is also a key player in mitigating cracks in the concrete, which severely impacts durability.

USES FOR CLF SUPERSEAL

Curing Agent – CLF SUPERSEAL forms an effective curing membrane for fresh wet concrete meeting ASTM C309 standards.

Impregnation/Sealer – CLF SUPERSEAL impregnates even fresh concrete, sealing and protecting the surface.

Concrete Floor Hardener – CLF SUPERSEAL impregnates and improves, hard wearing, non-dusting surface qualities to new or existing concrete floors.

PROPERTIES

- Liquid
- Light yellow
- Shelf life - 18 months

ADVANTAGES OF CLF SUPERSEAL

- Cures, seals, dust proofs and hardens in one operation.
- Quick drying and economical.
- Single rapid spray application.
- Can be applied shortly after finishing new concrete thus saving on cost of polythene or other curing agents.
- Enables floor to be laid, cured and hardened in the single site visit.
- Enables easier removal of construction splashes and easier cleaning before hand over to client.
- Saves considerably in labour costs compared to silicate systems.
- Technically out performs silicate systems ("Research Developments in Abrasion Resistance" available on request.)

- Can also be applied to mature concrete, will accept future over-coatings.
- Can be used as an anti-carbonation coating.
- Supplied as a single component, ready-to-use liquid.
- Easily applied by semi-skilled labour.
- Can be applied over coloured floors.

INSTRUCTIONS FOR USE

Base concrete – New concrete: CLF SUPERSEAL may be sprayed on to newly laid concrete after finishing of the concrete.

Base concrete – Existing concrete: Existing concrete substrates should be clean, sound and free of laitance, oil, paint, film or any other contamination. Captive grit blasting or grinding are the preferred methods of preparation although high temperature application of a neutral detergent may be beneficial with oil/grease contamination. Sweep or vacuum all dust and debris from the surface. A dry surface is preferred, but damp surfaces are acceptable providing there is no free water present.

MIXING

CLF SUPERSEAL is supplied ready to use.

APPLICATION

CLF SUPERSEAL should be sprayed evenly from either an agricultural-type sprayer or by airless spray unit to concrete free from surface water and suitably prepared. Spraying equipment should be cleaned before hardening using Gun. Can also be applied with a roller.

CURING AND SEALING

Cure concrete or CLF Dry Shake finishes after the final trowelling by spraying on CLF SUPERSEAL at a rate of 7 - 10m² per litre depending on the density of power trowelling.

Do not allow the CLF SUPERSEAL to puddle on the floor. It may be beneficial to apply the CLF SUPERSEAL as two separate applications at 14 - 20m² litres each, one to cure the floor and the second at a later stage after cleaning by the main contractor and prior to hand over to the client.

With a one-coat application a sheen finish is achieved

Subsequent coats of epoxy, vinyl, acrylic (solvent or emulsion) and alkyd paints generally bond well to CLF SUPERSEAL treated concrete but test patches should always be applied to ensure compatibility of the particular paint brand.

TECHNICAL DATA**Coverage**

7 to 10m² per litre per coat depending on porosity of surface.

Drying Time

Touch dry 2 to 4 hours at 20°C. Fully dry 24 hours at 20°C.

Packaging

200 litre drums/ 25 litre drums

Shelf Life

18 months if kept unopened in original sealed containers in a cool dry place free from temperature extremes.

Flash Point

25°C (Abel-Closed Cup)

Safety

Store in a cool, dry place, well ventilated and protected from temperature extremes. Do not smoke or expose to a naked flame. Store in securely closed containers. Avoid skin and eye contact. Avoid inhalation and ensure good ventilation. Wear gloves, mask and eye protection. Use barrier cream on exposed skin. Any spill of CLF SUPERSEAL on skin should be immediately removed with a proprietary skin cleaning cream/gel, NOT solvents. In case of eye contact, wash copiously with water and seek immediate medical attention.

Spraying on CLF SUPERSEAL**CLF Concrete Laser Flooring Pty (Ltd)**

PO Box 2589, Witkoppen, Johannesburg, SA • www.concreteflooring.co.za
Tel: +27 11 704 5557 • Fax: +27 11 462 1456 • E-mail: peter@concreteflooring.co.za

The information given is based on knowledge and performance of the material. Every precaution is taken in the manufacture of the product and the responsibility is limited to the quality of supplies, with no guarantee of results in the field as CLF has no control over site conditions or execution of works.