

DECIDAMP® SLC®

This Installation Guide provides recommendations to maximise the service life in various applications.



WORKING HEALTH AND SAFETY

- Clean up with mineral turpentine or equivalent solvent
- Once cured, Decidamp SLC can only be removed by mechanical methods.
- Personal Protection Equipment (PPE), including eye protection, gloves and safety clothing is recommended. Refer to MSDS, use in a well ventilated area.

Note: This product is suitable for professional and experienced users only. Tests with actual substrates and conditions must be performed to ensure adhesion and material compatibility.

SURFACE PREPARATION

All substrates must be prepared to the yard standard, clean, dry and free of any contaminants such as liquid, dirt, dust, oil, flaky paint, rust, wax, grease, fibreglass release agents etc. Priming is recommended on corroded surfaces. Smooth surfaces must be scuffed back to ensure a good bond.

PRODUCT INFORMATION

SUBSTRATES:

Can be used on concrete, steel and aluminium. Priming is not required if surface preparation is adequate.

CONSUMPTION:

1.10kg (mixed) will provide a 1mm thick cured layer over an area of 1 m².

1mm thick coating using 23.5kg kit will give you 21m² (226 ft²) coverage total.

CURE TIMES AND PROCESS:

- Once the two components are mixed, setting will start within 20-30 mins at 25°C and 35% humidity. Treated floor is hardened and open to foot traffic in 10 hours.
- Decidamp SLC cures independent of application thickness and cures fully in approximately 24 hours. High temperatures and humidity can accelerate the set time.

OPERATING TEMPERATURE RANGE:

From 0°C to +50°C — for cured Decidamp SLC

SHELF LIFE AND STORAGE:

- 36 months from date of manufacture under recommended storage conditions.
- Store in accordance with local regulations.
- Un-opened kits to be stored between 10°C and 30°C. Do not allow it to freeze.
- Opened kits (unmixed) must be quickly resealed and used within 2 months. (Frequent opening of seal must be avoided.)
- Mixed kits must be used **within 30 minutes**.

Decidamp SLC is a two part viscoelastic polyurethane damping compound supplied in two pack sizes:

- Decidamp SLC Part A 19.6kg (5gallons)-

- Decidamp SLC Part B 3.9kg (4 litres) - (Curing agent)

Both parts A and B are supplied in the correct ratio of ingredients with a weight based mixing ratio of 5:1.

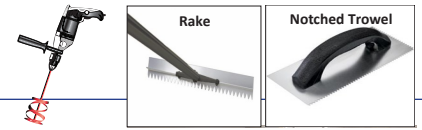
applications

- Used as a primary deck covering or underlay for deck finish materials.
- On interior decks, to level surfaces prior to applying deck finishing materials. Ideal for providing a flat, seamless work surface to irregular surfaces such as warped metal.
- As a visco-elastic material, it works best in a constrained layer configuration (sandwich system) where acoustic performance is the prime requirement.
- A secondary constraining layer of a self-levelling cementitious material, such as 'Weber.floor 4660 Marine Elastic', is applied over a cured layer of Decidamp SLC before installing floor finishes such as carpets, tiles, parquet, rubber and vinyl.
- Decidamp SLC has been tested with Weber.floor 4660 Marine Elastic to international maritime standards.

Please refer to our website pyroteknc.com for latest information



INSTALLATION



Precautions before mixing:

- Apply mixed compound within 30 minutes for an easy flow and even spread, since mixed compound begins setting within 20-30 minutes and partially cures after 2 hours from mixing.
- Factors such as high-speed or prolonged mixing, high temperatures and humidity will accelerate setting.
- If mixing in smaller quantities, precisely measure out Part A and Part B in a weight ratio of 5:1. This will establish correct viscosity, ensure proper curing and achieve a good bond with the substrate and screed floor.
- Protect the product from direct sunlight, heat and wind draughts during application and curing.

Mixing method:

- Empty contents of Part A in a clean drum or bucket and gently stir just enough to provide a homogenous mix.
- Then add contents of Part B to the mixed Part A. Using a power drill with a ribbon or paddle mixer, mix the two components A and B on low speed for up to 5 minutes to provide a smooth, lump-free flowable blend.
- Make sure to scrape the base and sides of the container to allow good dispersion of the curing agent (Part B).

Prior to application:

- Ensure substrate temperature is between 10 and 35°C.
- Pin shoes may be worn to prevent damage to the surface during lay-up of Decidamp SLC.
- Fix suitable formwork with materials such as polystyrene with self-adhesive backing or polyethylene foam along the boundaries of application area. Formwork must be minimum 6mm thick and have a width to provide sufficient depth greater than the combined thicknesses of both layers, SLC and the secondary cementitious layer.
- Good formwork is essential to ensure the cementitious layer does not come in direct contact with any structural component, as this will adversely affect the acoustic performance of the system.
- Installation on fire-rated boundaries: Take extra care in measurements and formwork materials used before applying Decidamp SLC.

Application method:

- Pour the mixed Decidamp SLC compound on to the floor, starting along the borders. Use a 4mm notch trowel or rake, to spread and even out the material, starting from the furthest boundary working inward.
- Decidamp SLC layer should be minimum 1mm thick.

Installing constraining layer of cementitious materials:

- Choose a method for preparing Decidamp SLC for the application of the constraining layer.
- Apply sand directly – Scatter coarse sand (Grade: Quartz dried sand 0.8mm to 2.0mm) on the surface to provide complete coverage and allow to set. The sand should be applied at the correct time (approximately after 2 hours), so that it sets partially submerged into the SLC and provides the required surface texture allowing a good grip for the cement constraining layer; or
- Apply sand with second coat of Decidamp SLC - Once Decidamp SLC is dry enough to walk on, apply an additional 0.5-1.0 mm coat of Decidamp SLC, and scatter quartz dried sand (0.8 mm to 2.0 mm) generously to the surface to provide complete coverage; or
- Roughen the surface of Decidamp SLC - Use coarse grade of sand paper (40grit or lower) and roughen the entire surface of Decidamp SLC.
- After the surface of Decidamp SLC has been prepared for the constraining layer, sweep off and vacuum clean any loose particles from the surface before installing the secondary cementitious layer. (Please consult your local Pyrotek representative for suggested thicknesses of the secondary cementitious layer.)

On warped metal or uneven surfaces:

- On horizontal surfaces or where surface has uneven contours, ensure that the dips are clean and dry. Then trowel Decidamp SLC to fill in the dips first, before spreading product across the surface.

Once finished:

- Remove all formwork after screed floor has achieved a full cure and it is ready for installing floor finishes.

Please contact Pyrotek® for further information or detailed advice on your specific application.