

# Cemfloor SL01

High performance epoxy self-leveling for 0.5-1.5 mm thickness

## Description

**Cemfloor SL01** is a solvent free, two component epoxy resin binder and coating material possessing an extremely high resistance against the attack of acids and alkaline. The coat is also highly resistant to temperature stresses. Cemfloor SL01 is completely self-leveling at a bed thickness 0.5-1.5 mm. It originally a smooth surface but can have a non-slip surface in different finishes.

## Object

**Cemfloor SL01** provides a seamless hard wearing attractive floor which is chemical resistant, impervious and easy to clean. Available in a wide range of colors Cemfloor SL01 is ideal for industrial locations where a hard wearing hygienic, dust free environment is important, e.g. laboratories, hospital clean rooms, electronics assembly plants, switchgear plant rooms, light industrial plants, schools, etc.

## Advantage

- Self leveling formulation provides a dust free, seamless floor which is easy to clean
- Far easier to lay than conventional epoxy screeds.
- Low odor formulation
- Good abrasion resistance withstands foot and light vehicular traffic.
- Very good resistance to many industrial chemicals
- Available in a wide range of colors to provide and attractive floor finish

## Instruction for Use

- The surfaces to be coated should be dry, clean, and free from loose materials, other contaminations as well as free from oils and fats.
- The application of Cemfloor SL01 must be apply on the primed surfaces
- Cemfloor SL01 is supplied in pre-weighed packs ready to use on site. DO NOT add solvents or thinners. Mix the resin and hardener components together in the mixing vessel using a forced action mixer or heavy duty slow speed drill fitted with a purpose built paddle until an even colour is obtained.
- The material is poured onto the primed substrate and spread to the required thickness with a steel trowel.
- Immediately after laying, the coated floor should be rolled with a spiked plastic roller to remove any slight trowel marks and to aid air release.

## Characteristic

• Mixing Ratio	4:1 By Wt.
• Density	1.35 kg./L.
• Compressive Strength @ days	640 ksc
• Flexural Strength @ 7days	200 ksc
• Bonding Strength @ 7days	More than concrete

## Cleaning

The working equipment, tools etc., can be mechanically cleaned by using brushes in combination with Xylene. The cleaning should be done immediately after the completion of the work and within the pot life of the material to avoid sediments on the equipments, tools etc

## Storage

In unopened packs, Cemfloor SL01 has a shelf life of at least 12 months when stored in warehouse conditions below 35 °C. It should, however not be stored at very low temperatures, to guarantee a good working consistency.

## Packaging

Cemfloor SL01: 30 Kgs/Set.

## Precaution

**Cemfloor SL01** can cause an allergic reaction after prolonged contact with sensitive skin. Therefore avoid contact with skin and use protective ointment. Rubber gloves and protective clothing are recommended. If contact with skin wash immediately with plenty of water and soap. Do not use solvents. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. Ensure good air circulation in the room.

## Chemical Resistance Chart

Chemical name	Formula	Result
• Hydrogen Peroxide 30%	H <sub>2</sub> O <sub>2</sub>	Excellent
• Chloric Acid 30%	HClO <sub>3</sub>	Excellent
• Sulfuric Acid 30%	H <sub>2</sub> SO <sub>4</sub>	Very Good
• Hydrachloric Acid 30%	HCl	Excellent
• Acetic Acid 30%	CH <sub>3</sub> COO	Excellent
	H	
• Sodium Hydroxide 50%	NaOH	Excellent
• Nitric Acid 70%	HNO <sub>3</sub>	Not resistance
• Calcium Chloride 30%	CaCl <sub>2</sub>	Excellent
• Sodium Chloride 80%	NaCl	Excellent
• Carbon Tetrachloride	CCl <sub>4</sub>	Very Good
• Ammonia 20%	NH <sub>4</sub> OH	Excellent
• Sodium Chlorate 30%	NaClO <sub>3</sub>	Excellent
• Benzene	C <sub>6</sub> H <sub>6</sub>	Excellent
• Vegetable Oil	-	Excellent

**Important Note:** Cemcrete warrants its materials free of manufacturing defects and produced as per standard specifications and sold under the terms and conditions of usages, whilst Cemcrete endeavors to ensure that any advice, recommendation, or information, given through its products literatures are reflects of the R&D in-house lab test and practical sites experience and knowledge based feed backs, however, the products are being used under various conditions and applied beyond its control where or how either directly or indirectly at various locations and places at a different stages that of an intended purposes and uses. Therefore, Cemcrete cannot hold warranty or responsible for resultant consequences, such as damages to the property or assets but the product itself.