

ConFloor C SL

Cementitious Self-Levelling Underlayment 3-25 mm

DESCRIPTION

ConFloor C SL is a single component, cement based self-levelling underlayment for indoor concrete. It's a blend of Portland cement, graded fine fillers and chemical additives. It's supplied as a dry, grey powder. The addition of a controlled amount of clean water produces smooth levelled flow able, underlayment. Typical application thickness is 3-25 mm.

USES

ConFloor C SL is used for interior floor levelling and smoothing applications.

Typical floor applications would include:

- Tiling
- Vinyl flooring sheet
- Plastic sheeting
- Carpet flooring
- Wooden flooring
- Epoxy floor toppings

ADVANTAGES

- Manual or pumpable application
- Self-levelling smooth finish
- Rapid hardening underlayment
- Accepts speedy access to foot traffic
- Can be applied in large joint free areas

TECHNICAL SPECS & PROPERTIES

Appearance	Cementitious Powder
Mixing of Water	5.0 - 5.30 liters
Density	Approximately 2,0 Kg./- M ³ depending on actual consistency used
Setting Time	Initial : 4-6 hours Final : 20-24 hours
Compressive Strength	1 day = 1,200 Psi 7 days = 2,500 Psi 28 days = 3,100 Psi
Traffic Time @ 25 ^o C	Pedestrian = 3 days Vehicular = 7 days
Yield/ Coverage	10 Ltrs./ 3 M ² at 3 mm Per 20 Kg.
Shelf Life	06 Months

APPLICATION INSTRUCTIONS

Surface Preparations:

The substrate surface must be free from oil, grease or any loosely adherent material. If the concrete surface is defective or has laitance, it must be cut back to a sound base. The prepared area should be grinded/ scarified.

Priming:

Several hours prior to flooring, the area of prepared concrete should be flooded with fresh water. Immediately before grouting takes place, any free water should be removed carefully and surface must be primed with ConBond SBR cement slurry.

MIXING AND PLACING

For best results a mechanically powered mixer should be used when quantity of 20 kg is used, a slow speed drill fitted with a high shear mixer is suitable. Larger quantities will require a high shear vane mixer. Do not use a colloidal impeller

mixer. To enable the concreting operation to be carried out continuously, it is essential that sufficient mixing capacity and labor are available. The use of a fluid concrete holding tank with provision to gently agitate the concrete may be required.

Consistency of mixed concrete: The quantity of clean water required to be added to a 20 kg. bag to achieve the desired consistency is 5.0-5.5 Ltrs. Of water. The selected water content should be accurately measured into the mixer. The total contents of the ConFloor C SL bag should be slowly added and continuous mixing should take place for 4-5 minutes. This will ensure that the grout has a smooth even consistency.

Placing: At 25° C, Pour the mix and spread using a smoothing trowel. ConFloor C SL can be poured in thicknesses up to 3-10 mm in a single pour. For thicker sections multi layers can be poured. If a second layer of leveling compound has to be applied, prime the first layer with ConBond SBR Primer when the first layer is walkable. In higher thickness using a spike roller is recommended.

Protect curing layers from high ambient temperatures, direct sunlight and ensure an adequate air circulation. The cured surface of ConFloor C SL must be protected from any type of contamination by a suitable coating.

Curing: On completion of the flooring operation, water curing is recommended. Continuous application of water and/or wet cloth/ hessian is suitable to protect the thin layers. All cement based products have the possibility for cracking. Cracking, such as hair line cracking cannot be considered as a product defect or installation failure. It may be due to hot climate, humidity or lack of timely curing.

PACKAGING

ConFloor C SL is supplied in 20 Kgs. Bags.

STORAGE

ConFloor C SL has a shelf life of 06 months. Its Cementitious based powder must be stored in the original unopened bags at 5° C-30° C. under covered storage area.

HEALTH & SAFETY PRECAUTIONS:

Where temperatures is less than 5° C or greater than 35° C are encountered, contact our Technical Staff for specific advice. ConFloor C SL is non-toxic, but it is alkaline in nature. Any contact with eyes or skin should be washed off with soap and clean water. Protective gloves, goggles and clothing should be worn. Repeated contact with cementitious products can cause sensitization in some people handling this type of product. Where this occurs, seek medical advice before continuing use.

TECHNICAL SERVICES:

A trained RADIANT representative is available to assist in the preparation of specifications, and the resolution of concrete problems in the field.

Important Note:

RADIANT Construction Technologies manufactures wide range of construction chemicals, including admixtures, concrete repairing mortars, curing compounds, adhesives, concrete protection coatings, waterproof coatings, grouts & Tile Bond.

Separate Technical Data Sheets are available for these products.