

# CHEM TOP SL 800



We Create Better Future

## Cementitious Self-Levelling Floor Topping

### Description:

**Chem Top SL 800** is a one component polymer modified cementitious self-levelling screed. free flowing compound specially designed for easy application over concrete floors as an underlayment for subsequent placement of floor coverings.

### Uses:

**Chem Top SL 800** can be used as a high

- Unlevel floors.
- Interior sound concrete sub-surface
- Old floor with cut back adhesive.
- Floors prior to carpeting or vinyl flooring.
- Wood, plywood, steel and most other clean structurally sound floor surfaces.

### Advantages:

- Free-flowable and self-levelling
- Pumpable through standard equipment
- Minimal shrinkage for outstanding resistance to cracking
- Featheredge to 25mm in one application.
- High early strength for early turnaround
- Excellent bond strength for a composite floor section

### Technical properties

#### Compressive Strength – ASTM C-109

50 mm cubes

Age	Strength
24 hours	2,300 psi (16 MPa)
3 days	2,800 psi (19 MPa)
7 days	3,600 psi (25 MPa)
28 days	5,000 psi (34 MPa)

#### Bonding Strength – ASTM C-1042

Age	Strength
7 days	700 psi (5 MPa)
14 days	1,000 psi (7 MPa)

### Set Time ASTM C-191 @ 20°C

Initial: 45 Mins

Final: 70 Mins

Note: - Properties are based on laboratory-controlled tests.

### Instruction for use:

#### Surface preparation:

The cementitious surfaces to be bonded should be sound, clean, uncontaminated and free of loose materials. Use a steel brush to remove contaminants and laitance. Soak the substrate thoroughly with water to ensure a saturated but surface dry condition. Under severe drying conditions, repeated soaking may be necessary to ensure the substrate is still saturated at the time of application. All floors must be solid and have a rigid base.

Concrete must be cured for 28 days, joints or cracks in movement must be detailed through the Chem Top SL 800 to prevent cracking.

#### Surface Priming:

Surface must be primed before application of Chem Top SL 800, apply a thin, continuous coat of Builda Latex SBR Bond, free pinholes with soft bristle push broom, remove excess Chem Top SL 800, primer from the surface, if pinholes develop in the first coat, apply a second coat after the first coat has dried. Apply Chem Top SL 800 within 24 hours of primer application

### Mixing:

Single bags may be mixed using a slow speed drill and a spiral pedal or a forced action mechanical mixer. For normal applications, place 5 liter of clean cold water into the mixer. While the machine is in operation, add slowly one full bag (25kg) of **Chem Top SL 800** and mix for 3-4 minutes at 400-500 rpm until a smooth, lump free consistency is achieved.

The amount of water required may vary slightly Depending on the application but should not exceed 6 liter per 25kg bag **Chem Top SL 800**. Do not subsequently re temper with extra water.

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## Application:

Pump or hand pour mixture of **Chem Top SL 800** onto the primed surface, move it into approximate position with any underlayment spreader notched trowel and allow the material to seek its own level, rolling of the spread mixture with nylon spiked roller will eliminate air bubbles appearing on the surface. Place **Chem Top SL 800** within 10-12 minutes of mixing and keep continuity of pouring without breaks, it will achieve initial set in approximately 20 minutes and may be walked on the approximately 2-4 hours.

## Curing:

**Chem Top SL 800** must cure 15-24 hours before the floor covering is installed. During cure, protect the surface from direct sunlight and extreme winds to prevent rapid premature hydration.

## Cleaning:

**Chem Top SL 800** should be removed from tools, equipment and mixes with clean water immediately after use. Cured material can only be removed mechanically.

## Yield:

Coverage of one bag (25 Kg) approximately 2.3 m<sup>2</sup> at 6 mm thickness.

## Packaging:

**Chem Top SL 800** is supplied in 25 kg high quality recyclable paper bags.

## Storage and Shelf Life:

**Chem Top SL 800** has a shelf life of 12 Month from date of manufacturing when kept in dry storage under shed in original unopened bags.

## Health and Safety:

**Chem Top SL 800** can be harmful to skin as it contains cement powder which may release alkalis when mixed with water.

During application wear appropriate protective clothing, goggles, gloves, and respiratory equipment if necessary.

- In case of contact with skin, rinse with water and again wash thoroughly with soap and water.
- In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly.
- If ingested, obtain medical attention immediately.
- Do not induce vomiting.

Refer to product safety data sheet for further details.

## Important Note:

The information contained herein is to the best of our knowledge true and accurate and is given in good faith, based on practical experience and applied testing Site or application – specific conditions may vary from those described here and thus the correct and successful use of the product is beyond our sphere of influence. If in doubt, the user should therefore first carry out sufficient tests to ensure the product is suitable. Legal liability cannot be accepted, either solely based on the content of this information sheet or any verbal advice given.

All **BuilChem** Datasheets are updated on regular basis. It is the user's responsibility to obtain the latest version.

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